Sterigerms 60 Litres - User Manual

ST 12 ST 60 UM

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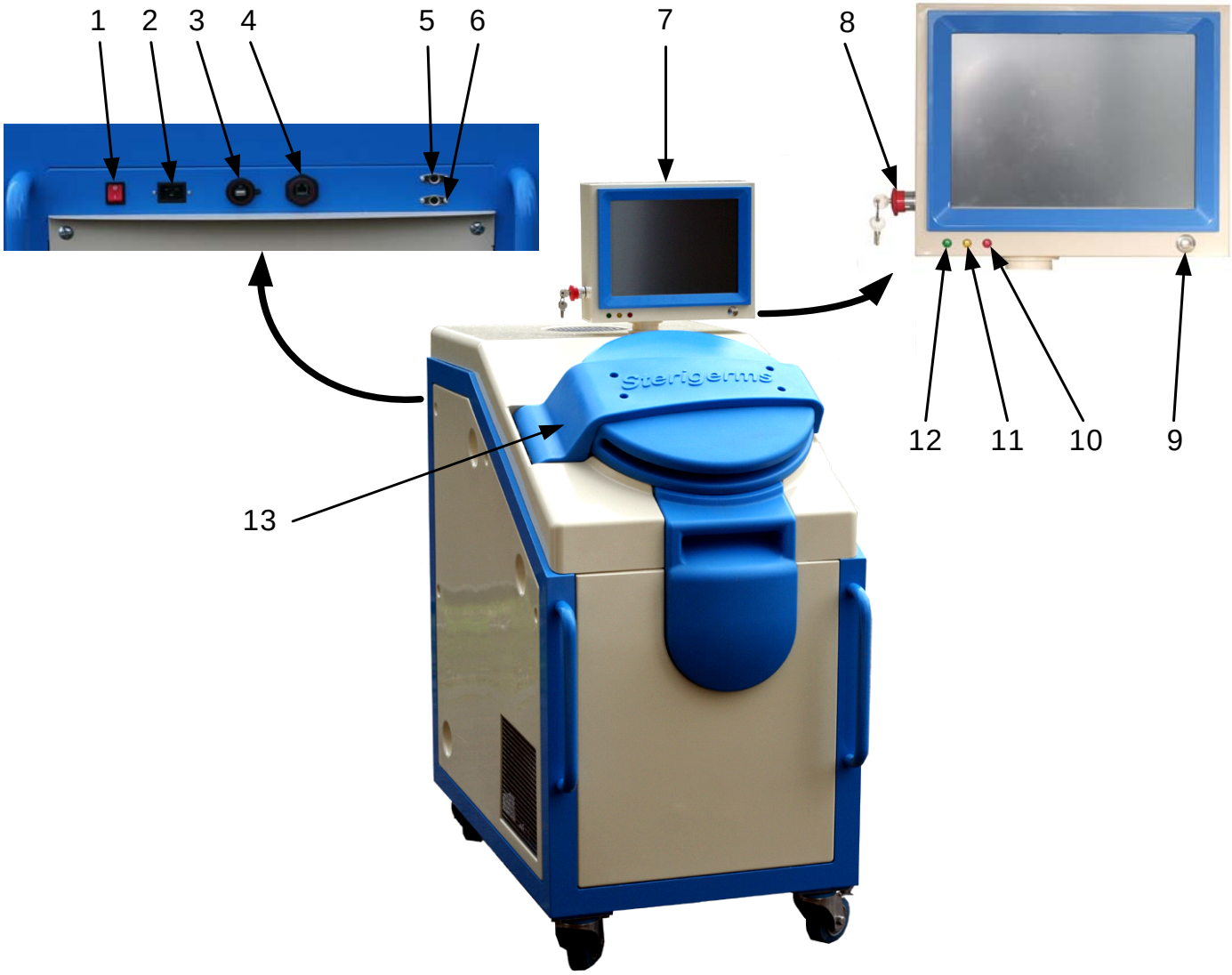


Figure 1 - Sterigerms

1. OVERVIEW

1.1. Introduction (Figure 1)

Thank you for choosing Sterigerms for the decontamination of your IMW (*Infectious Medical Waste*).

Sterigerms ensures treatment of Infectious Medical Waste, such as dressing, yellow containers used for disposal of needles and of stinging and cutting objects, syringes, diapers, probes, blood bags, catheters, bandages, gloves …

Combining volume reduction and decontamination by heating, Sterigerms allows turning potentially infectious waste into a flat-shaped compressed waste product disposable as normal household waste.

Sterigerms is easy to use thanks to its touch screen and easy to operate, as it only requires a 16-Ampere power supply. Sterigerms can be operated close to the location of origin of the waste, thus limiting the risks of contamination implied by the transport and handling of yellow bags.

Sterigerms is composed of the following elements:

- A locking cover (13) allowing access to the waste treatment compartment
- A control console (7) composed of:
    - a touch screen allowing human-machine dialog
    - a red indicator light (10): when lit, signals a major incident
    - a yellow indicator light (11): when lit, signals a minor incident (possible cause: piston end of stroke)
    - a green indicator light (12): when lit, indicates correct operation
    - a pushbutton (9) to power up the control console
    - an emergency knock-off switch (8) to switch off mains power supply, equipped with a removable key to unlock the cover
- At the rear, a connection panel with the following connections:
    - a main power-up switch (1) with light indication
    - a socket (2) to connect an external power supply
    - four connection elements not used for standard operation:
        - a USB connector (3)
        - a socket (4) for an Ethernet link
        - a socket (5) to connect a keyboard
        - a socket (6) to connect a mouse

1.2. Characteristics

1.2.1. Physical characteristics

LENGTH (mm)	DEPTH (mm)	HEIGHT (mm)	WEIGHT (kg)
710	1260	1 775	650

1.2.2. Electrical characteristics

- Power supply tension : 230V
- Frequency : 50Hz

2. OPERATION

Any identified malfunction of Sterigerms is displayed on the banner of each window and must be reported to the administrator.

2.1. Connection

Before connecting a device, always check that the power supply is of type “20A - 230V” with earth connection (alternative current, 20 Amperes).

Connect the power cable to the socket (1) of Sterigerms and to the external power supply.

2.2. Power-up

When powering up the equipment for the first time, contact the administrator to unlock Sterigerms.

There are two ways of powering up Sterigerms:

- Power-up after shutdown
- Standard power-up.

2.2.1. Power-up after shutdown

- You must perform this type of power-up after a complete shutdown of the device due to a technical issue or a transfer of the device to another location.

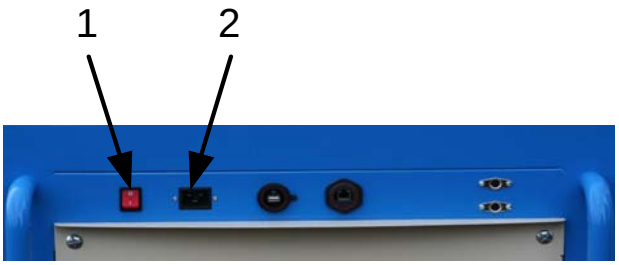


Figure 2 – Sterigerms rear view

- Check that Sterigerms is connected to the power supply network (§ 2.1).

- Ensure that the emergency knock-off switch (8, Figure 1) located at the left-hand side of the Sterigerms control console is directed outwards; if not, bring it back to its original position using the key and then retrieve the key.
- Set the main power-up switch (1, Figure 2), located at the rear of Sterigerms to the “I” position and check that the integrated light indicator comes on.
- Push the control console pushbutton (1, Figure 3).

2.2.2. Standard power-up

- Ensure that the emergency knock-off switch (5, Figure 3) located at the left-hand side of the Sterigerms control console is directed outwards ; if not, put it back into its original position using the key and then retrieve the key.
- Check that the main power-up switch (1, Figure 2), located at the rear of Sterigerms is in the “ON” position and that the integrated indicator light is on.
- Push the control console pushbutton (1, Figure 3).

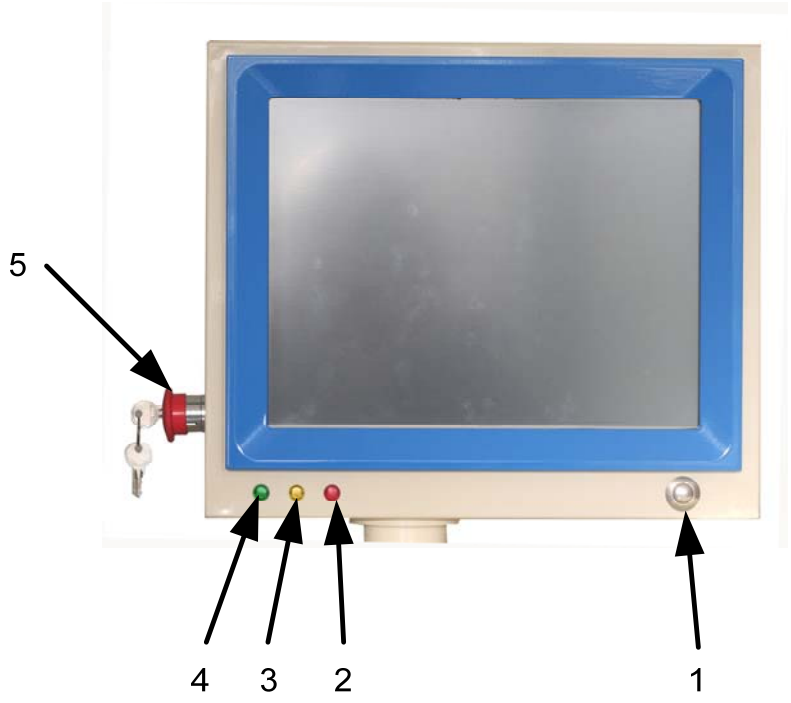


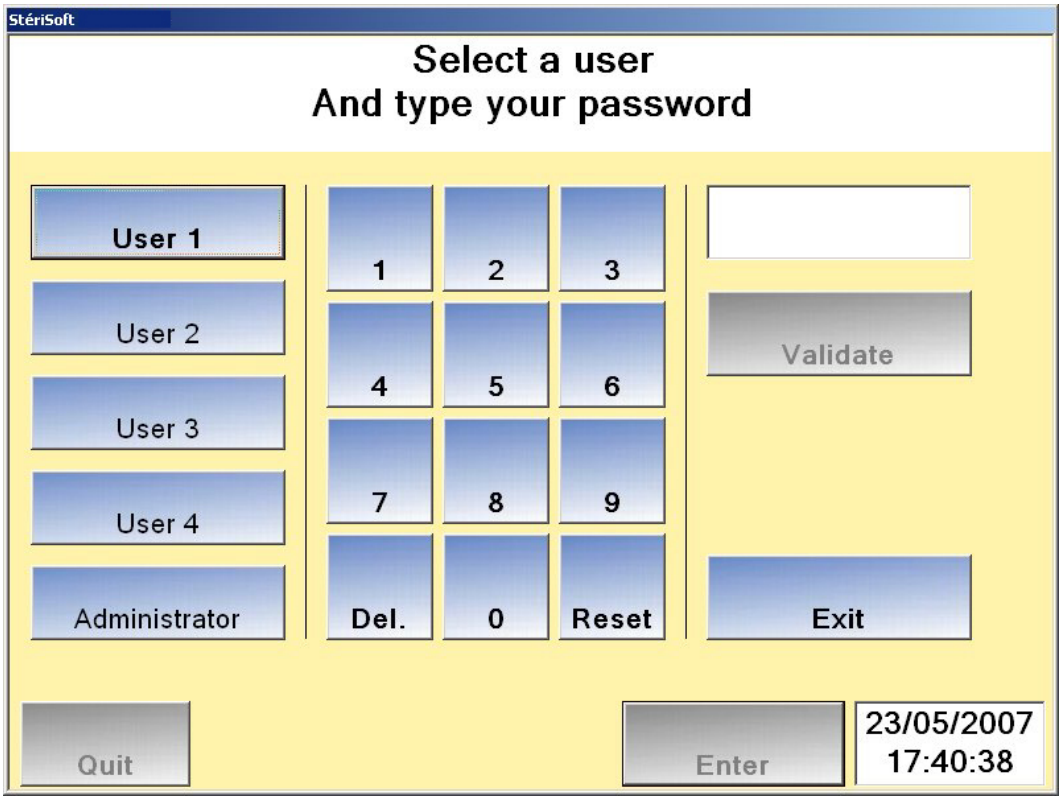
Figure 3 – Control console

The control console red (2, Figure 3) and yellow (3, Figure 3) indicator lights come on for about thirty seconds (time required for initialization of Windows and Sterisoft software) and go out. Then, the green indicator light (4, Figure 3) comes on and the Welcome page appears.

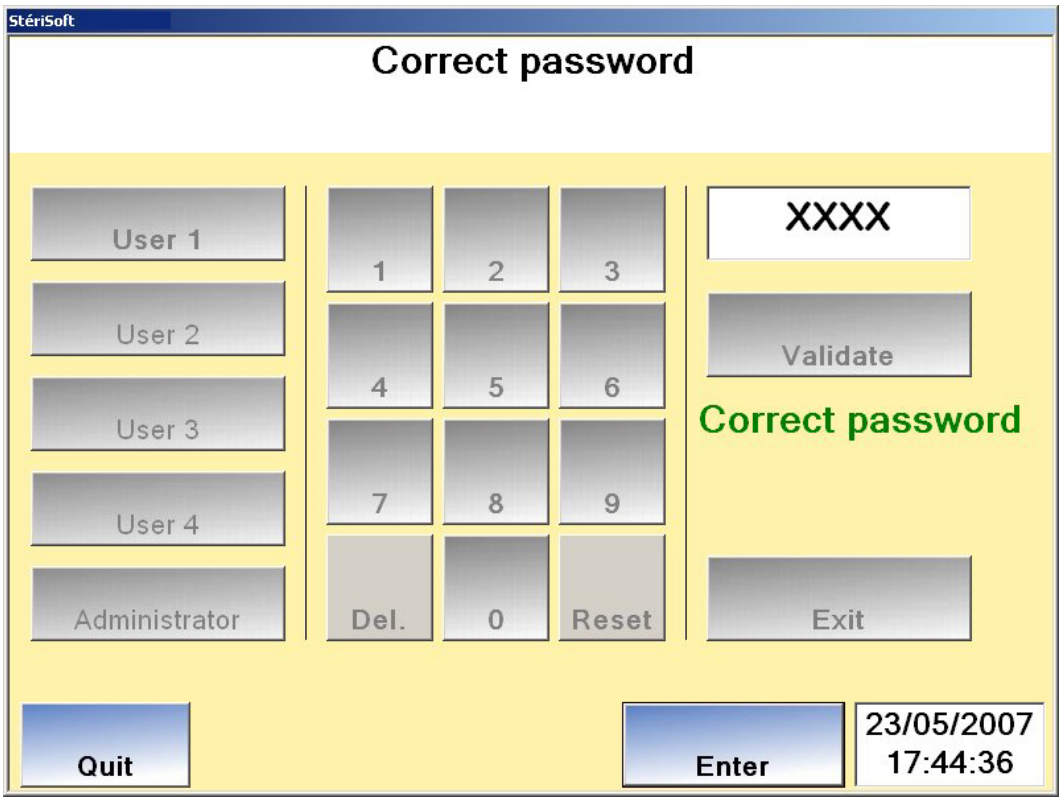
In case of problem (if the red or yellow indicator light(s) stay(s) on), stop the power-up procedure and contact the administrator. If the yellow indicator light comes on during a cycle, the cycle can be completed anyway.

2.3. Exploitation cycle

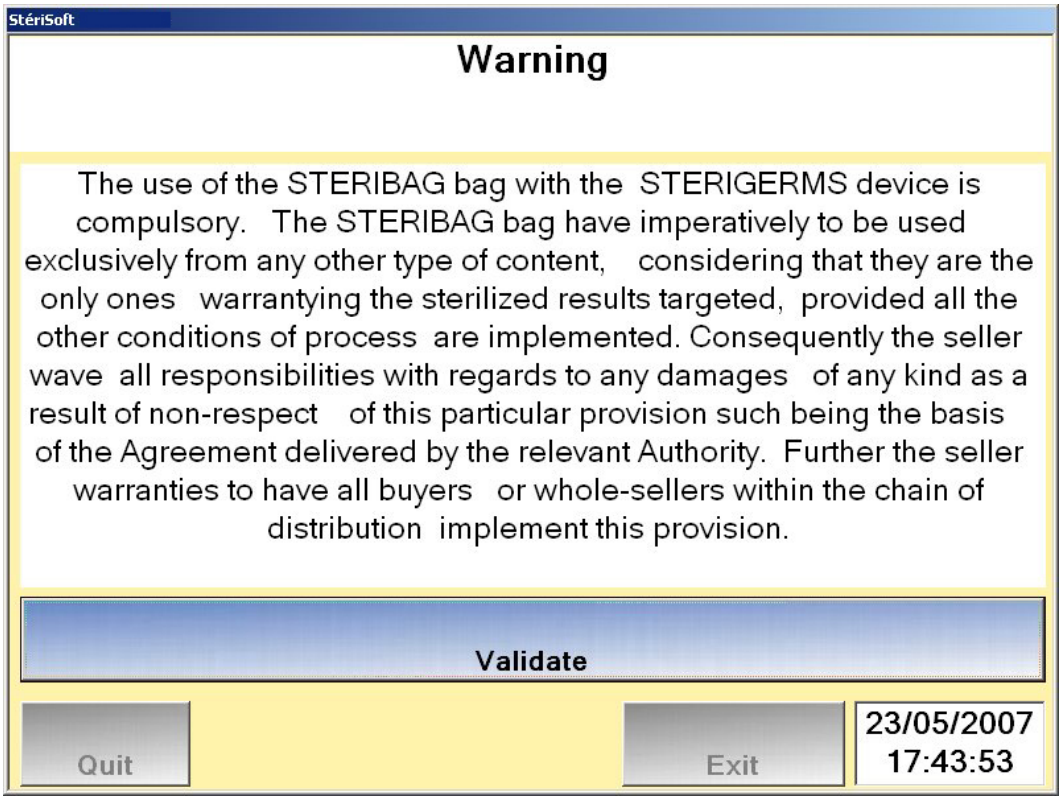
- On the screen, select the “Enter” button. The **‘Select a user And type your password’** window appears:



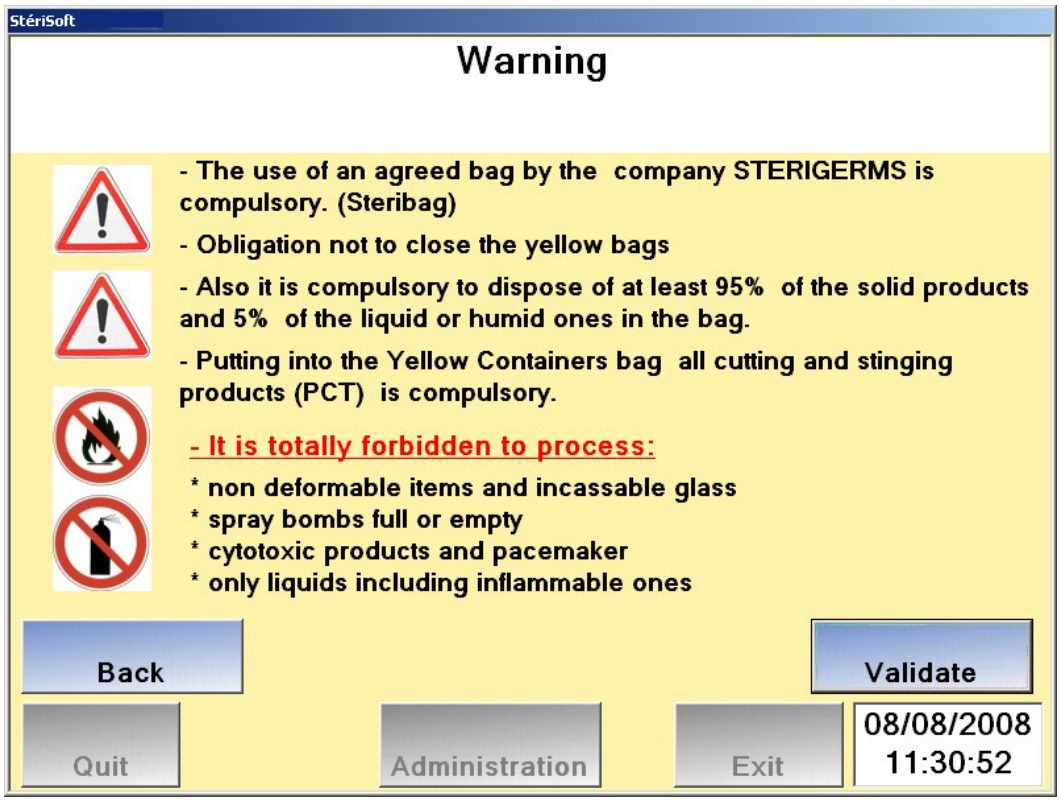
- Select the required user. This highlights the corresponding button.
- Using the keyboard, type in the corresponding 4-digit password and press the ‘Validate’ button. The ‘**Correct password**’ window appears. If the typed password is incorrect, the ‘**Wrong** password’ window is displayed. In that case, refer to § 2.4.



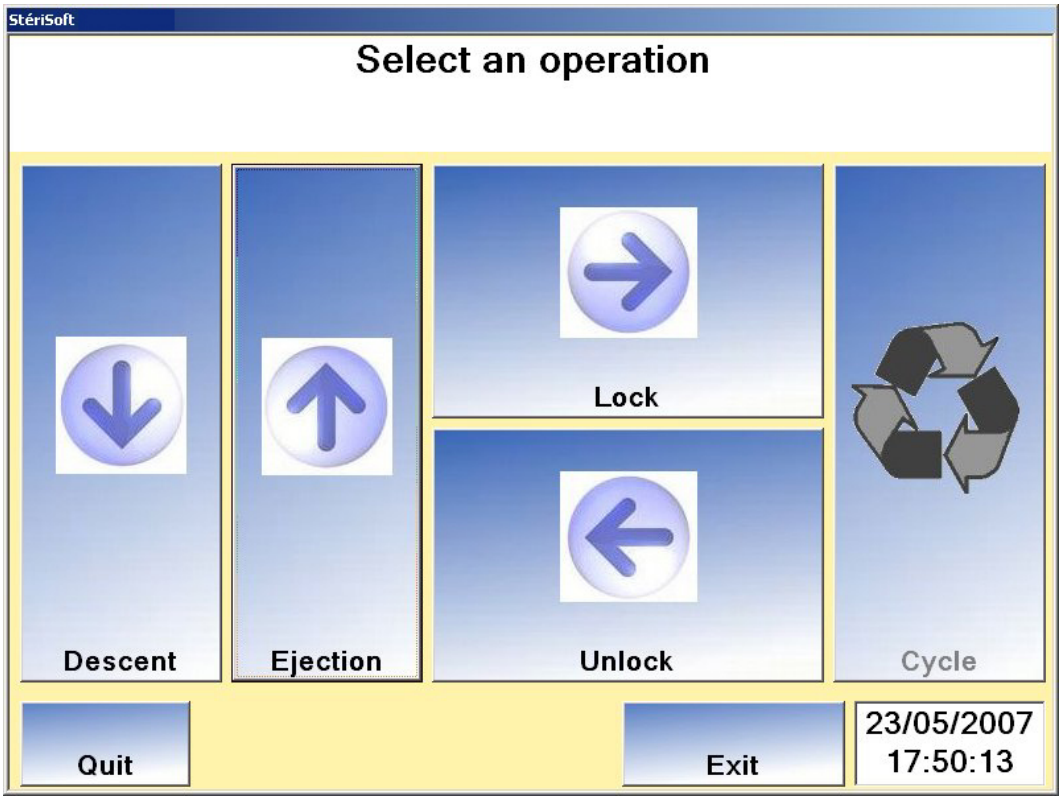
- On the screen, select the “Enter” button. The first **‘Warning’** window appears.


StériSoft
Warning
The use of the STERIBAG bag with the STERIGERMS device is compulsory. The STERIBAG bag have imperatively to be used exclusively from any other type of content, considering that they are the only ones warrantying the sterilized results targeted, provided all the other conditions of process are implemented. Consequently the seller wave all responsibilities with regards to any damages of any kind as a result of non-respect of this particular provision such being the basis of the Agreement delivered by the relevant Authority. Further the seller warranties to have all buyers or whole-sellers within the chain of distribution implement this provision.
Validate
Quit
Exit
23/05/2007
17:43:53

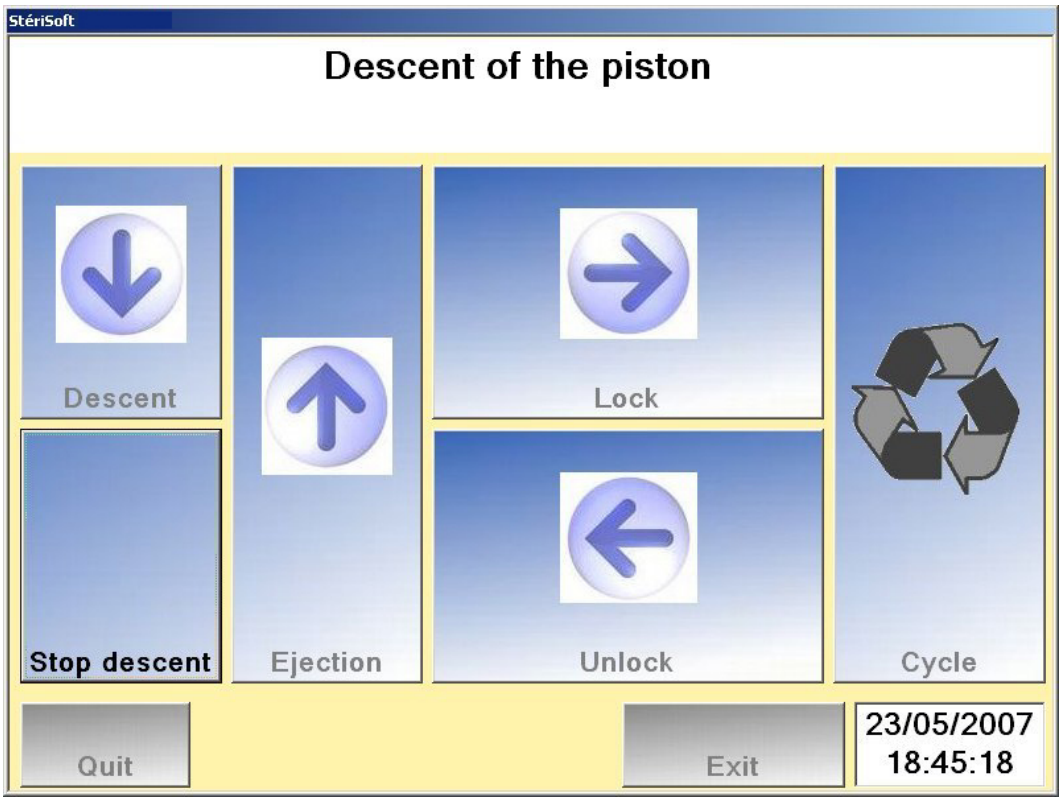
- On the screen, select the “Validate” button. The second **‘WARNING’** window appears.


StériSoft
Warning
- The use of an agreed bag by the company STERIGERMS is compulsory. (Steribag)
- Obligation not to close the yellow bags
- Also it is compulsory to dispose of at least 95% of the solid products and 5% of the liquid or humid ones in the bag.
- Putting into the Yellow Containers bag all cutting and stinging products (PCT) is compulsory.
- It is totally forbidden to process:
* non deformable items and incassable glass
* spray bombs full or empty
* cytotoxic products and pacemaker
* only liquids including inflammable ones
Back
Validate
Quit
Administration
Exit
08/08/2008
11:30:52

- On the screen, select the “Validate” button. The **‘Select an operation’** window appears



- On the screen, select the “Descent” button to move down the piston. The following window appears:



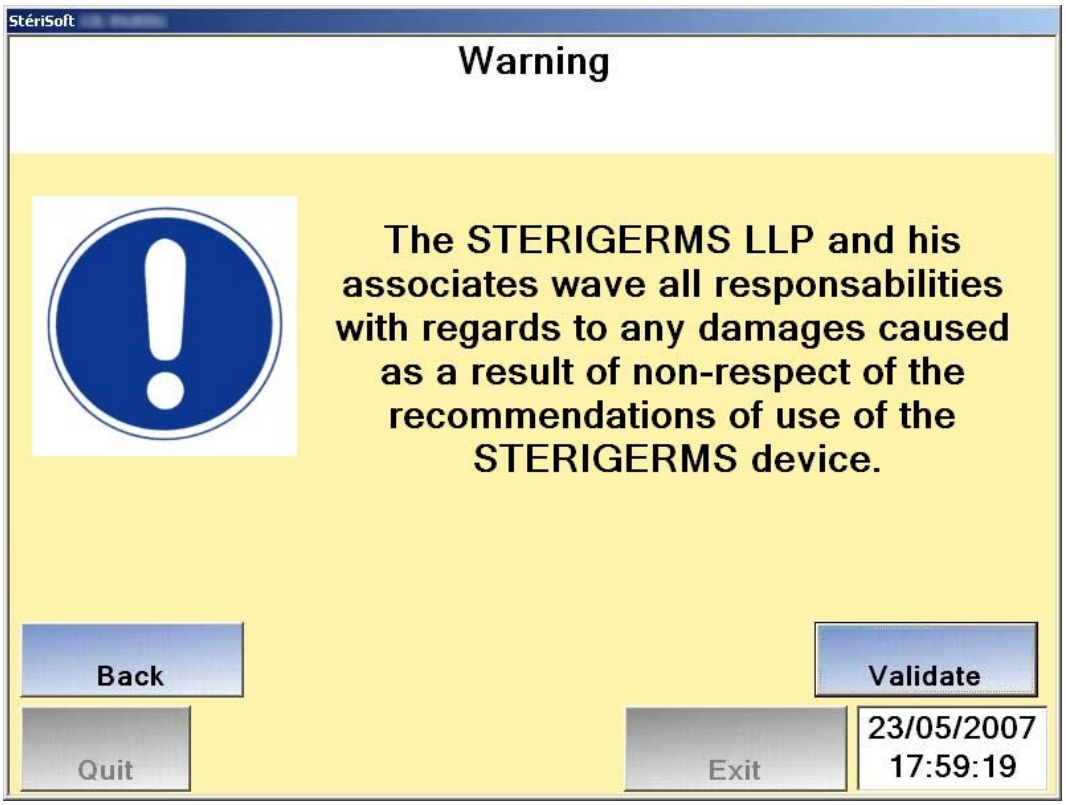
- Insert the waste bag into the Steribag for treatment,
- Insert the Steribag bag into STERIGERMS at the bottom of the waste treatment compartment so that it does not overflow the edges of the container.

1) Fold the lower part of the steribag **2**) Fold the top part of the steribag

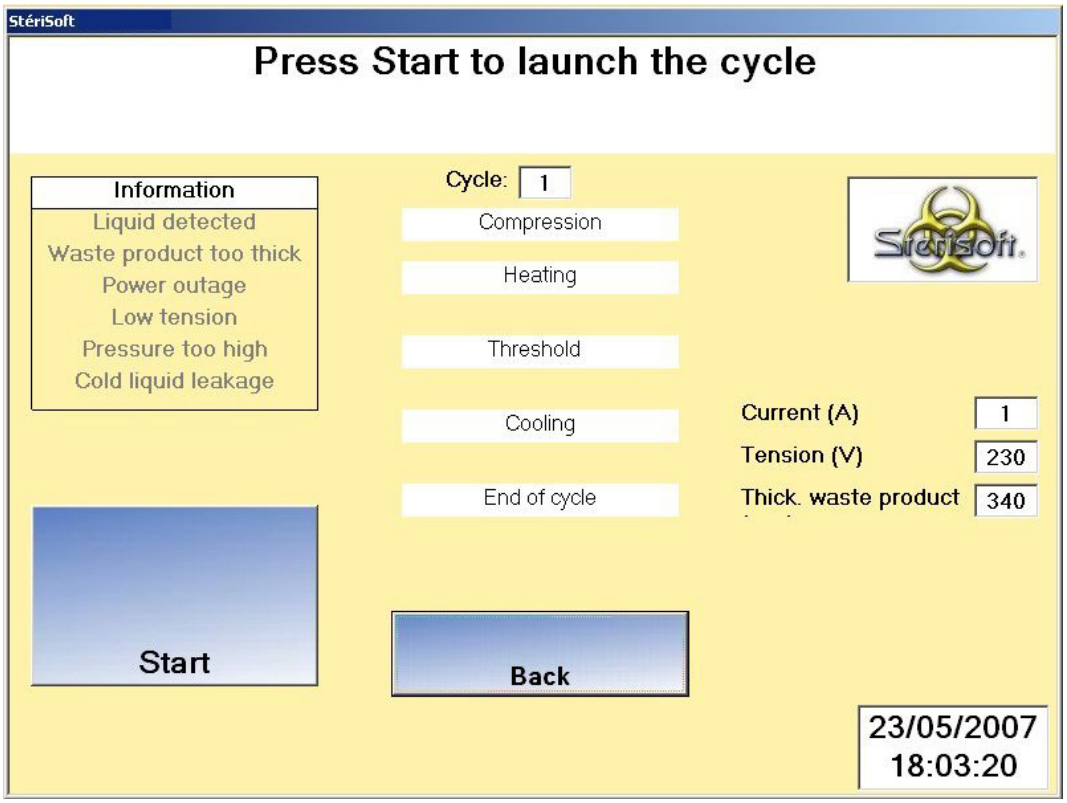
3) Fold down the two tips thus formed along the barrel

Figure 4 – Waste bag closing procedure

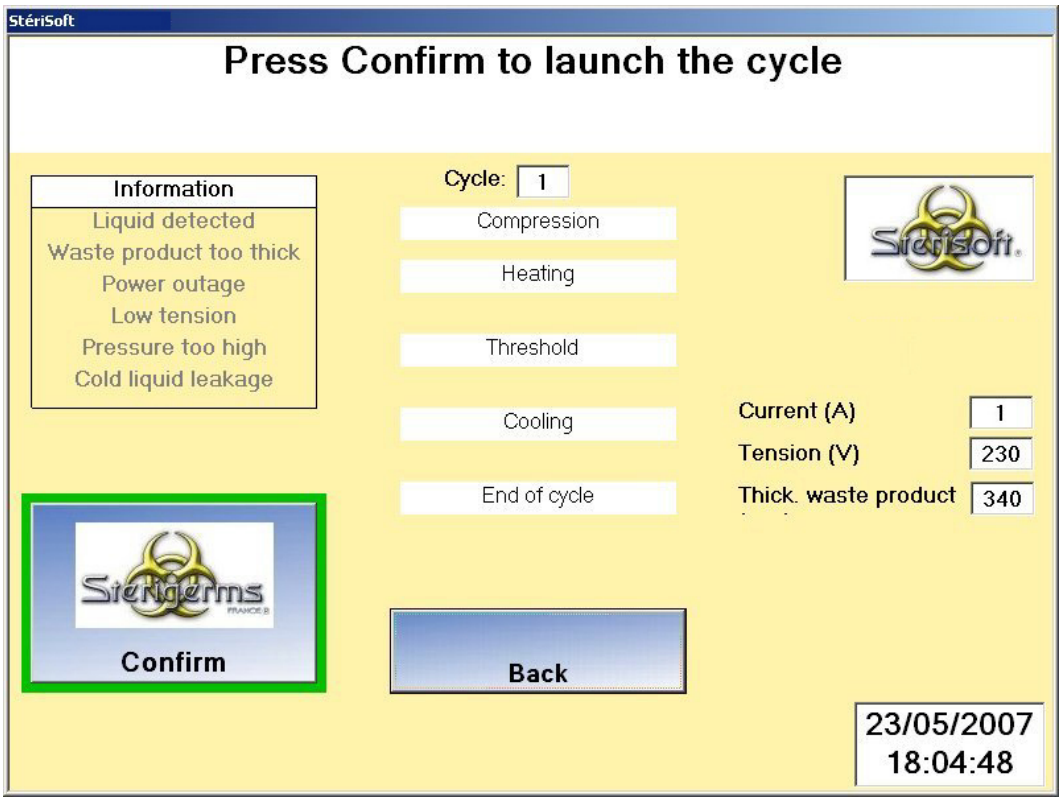
- Close the cover of Sterigerms.
- On the screen, select the “Lock” button (locking lasts about 5 seconds).
- On the screen, select the “Cycle” button, the third **‘Warning’** window appears.


StériSoft
Warning
The STERIGERMS LLP and his associates wave all responsabilities with regards to any damages caused as a result of non-respect of the recommendations of use of the STERIGERMS device.
Back
Validate
Quit
Exit
23/05/2007
17:59:19

- On the screen, select the “Validate” button to access the **‘Press Start to launch the cycle’** window.

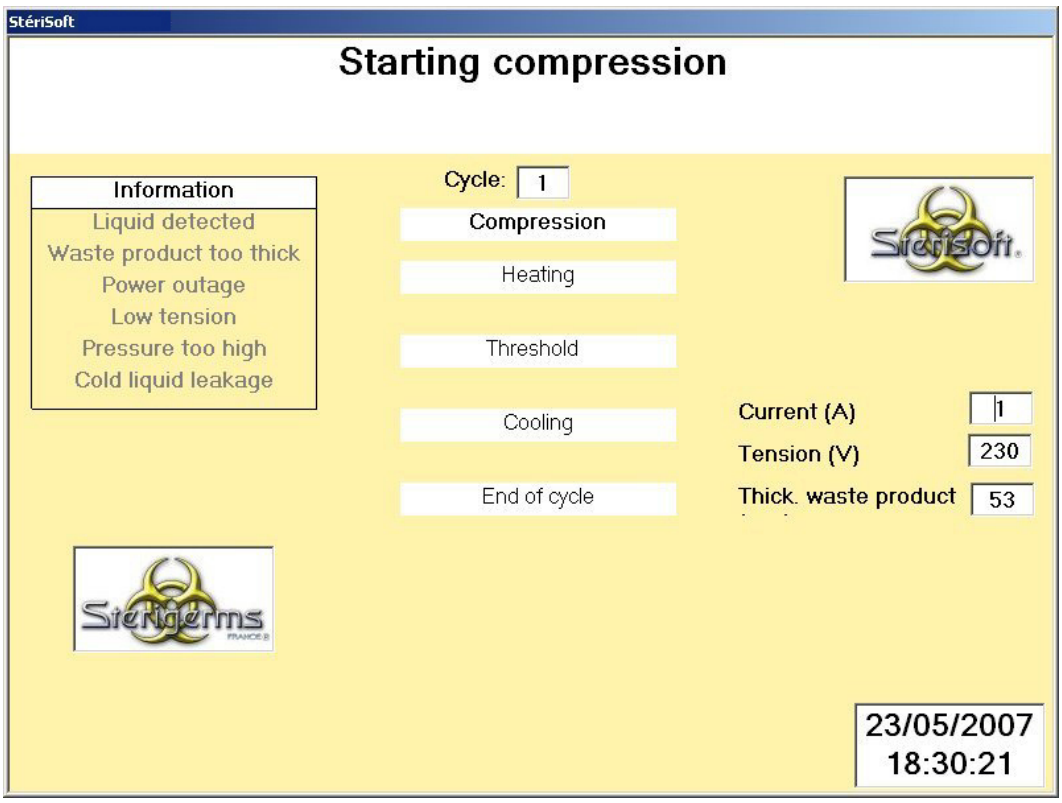


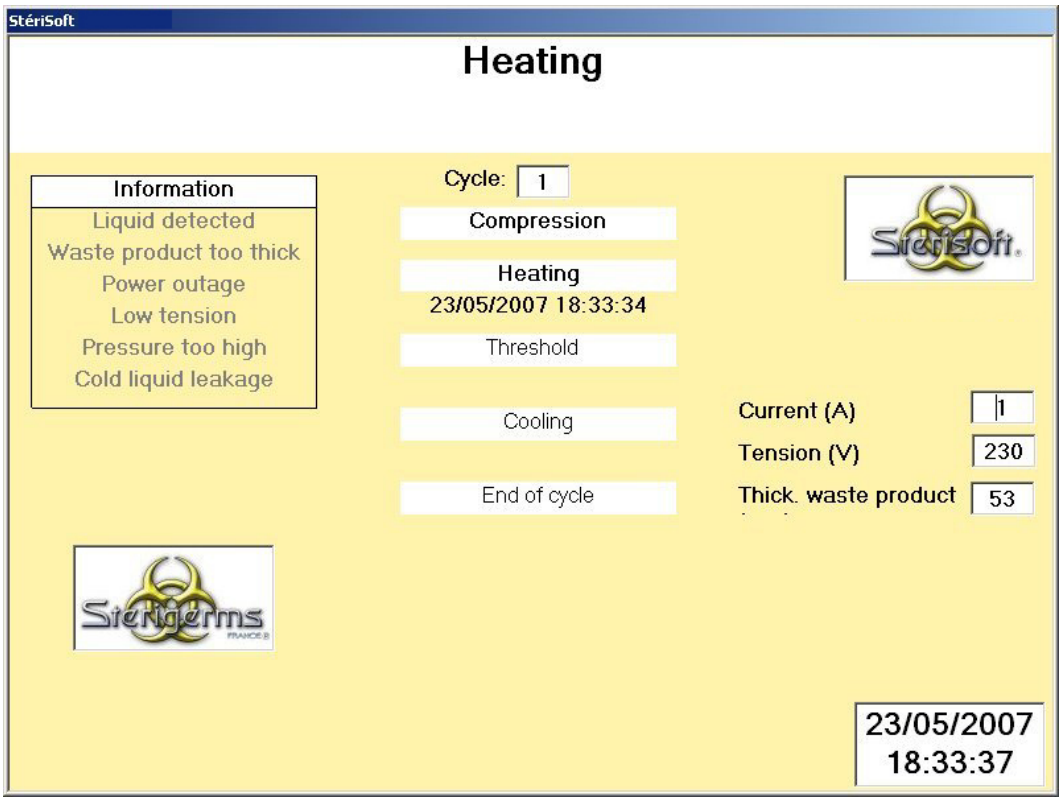
- On the screen, select the “Start” button to access the **‘Press Confirm to launch the cycle’** window.

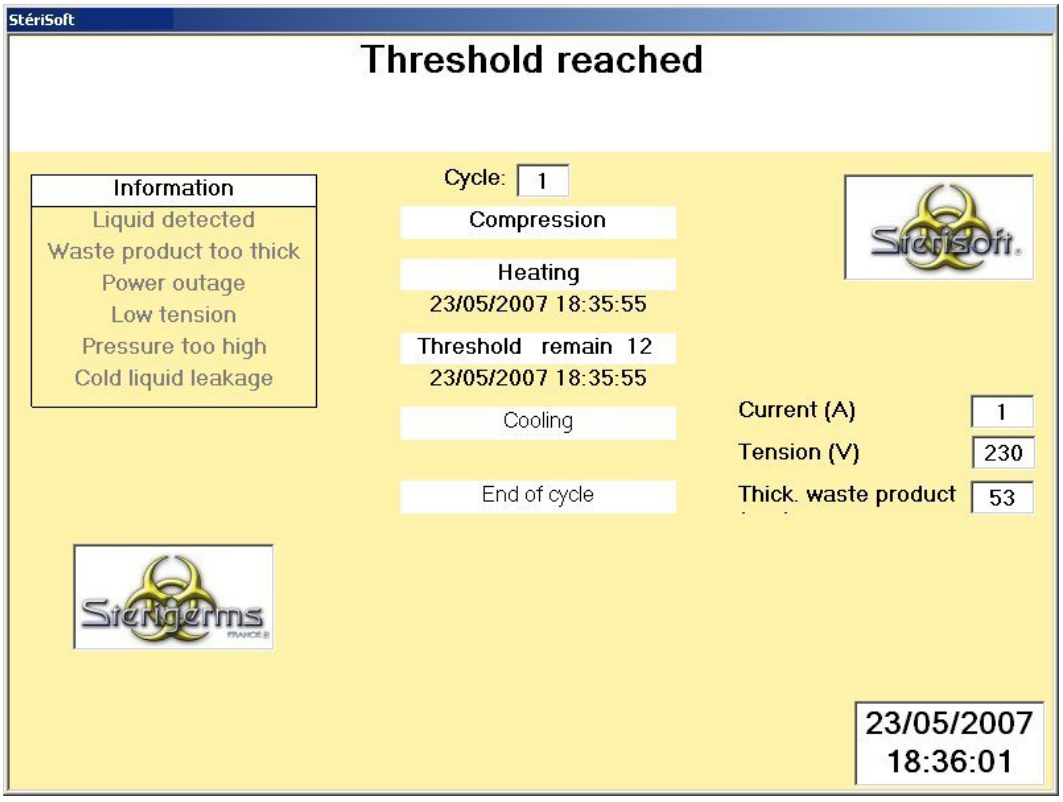


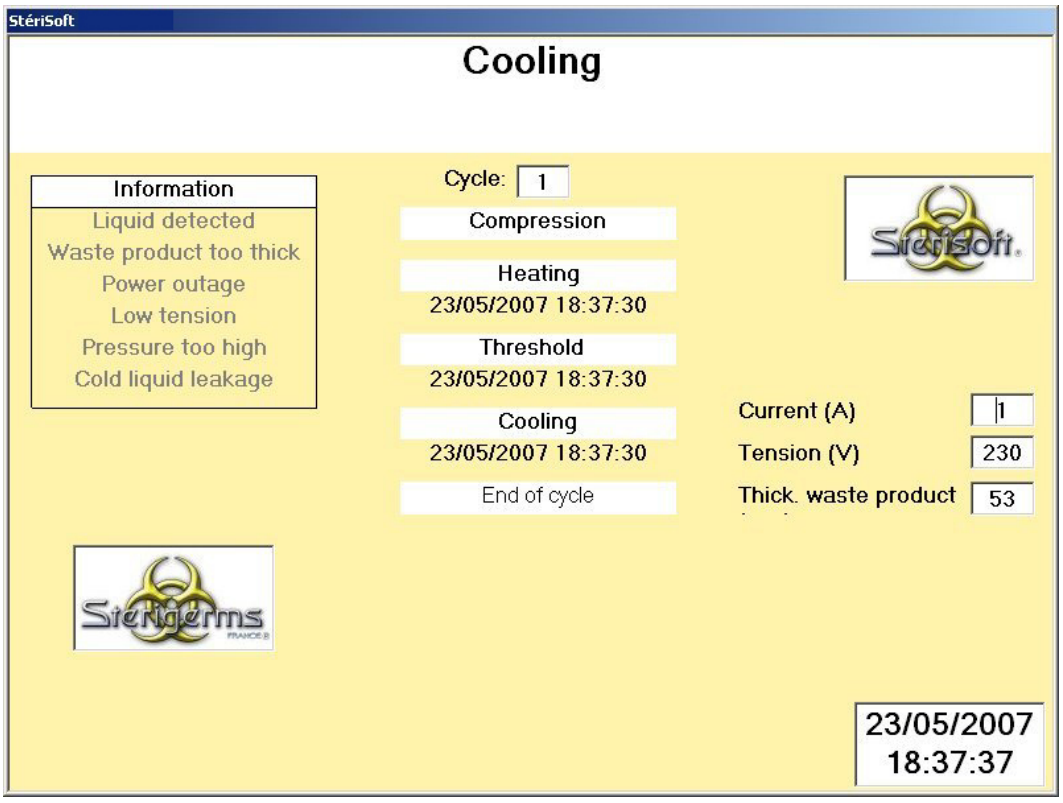
- On the screen, select the “Confirm” button to launch the cycle.

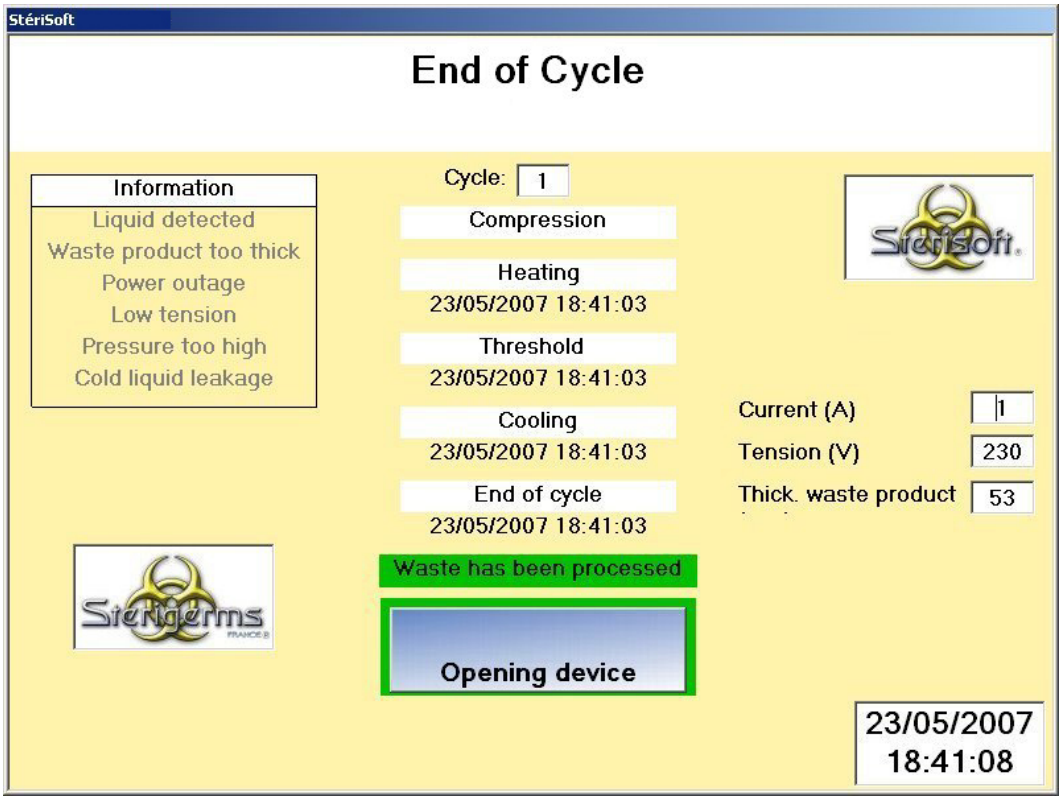
  During the cycle, the following windows automatically appear to visualize the various stages of the ongoing cycle (compression, heating, treatment, cooling, end of cycle).




StériSoft
Heating
Information
Liquid detected
Waste product too thick
Power outage
Low tension
Pressure too high
Cold liquid leakage
Cycle: 1
Compression
Heating
23/05/2007 18:33:34
Threshold
Cooling
End of cycle
Current (A) 1
Tension (V) 230
Thick. waste product 53
23/05/2007
18:33:37

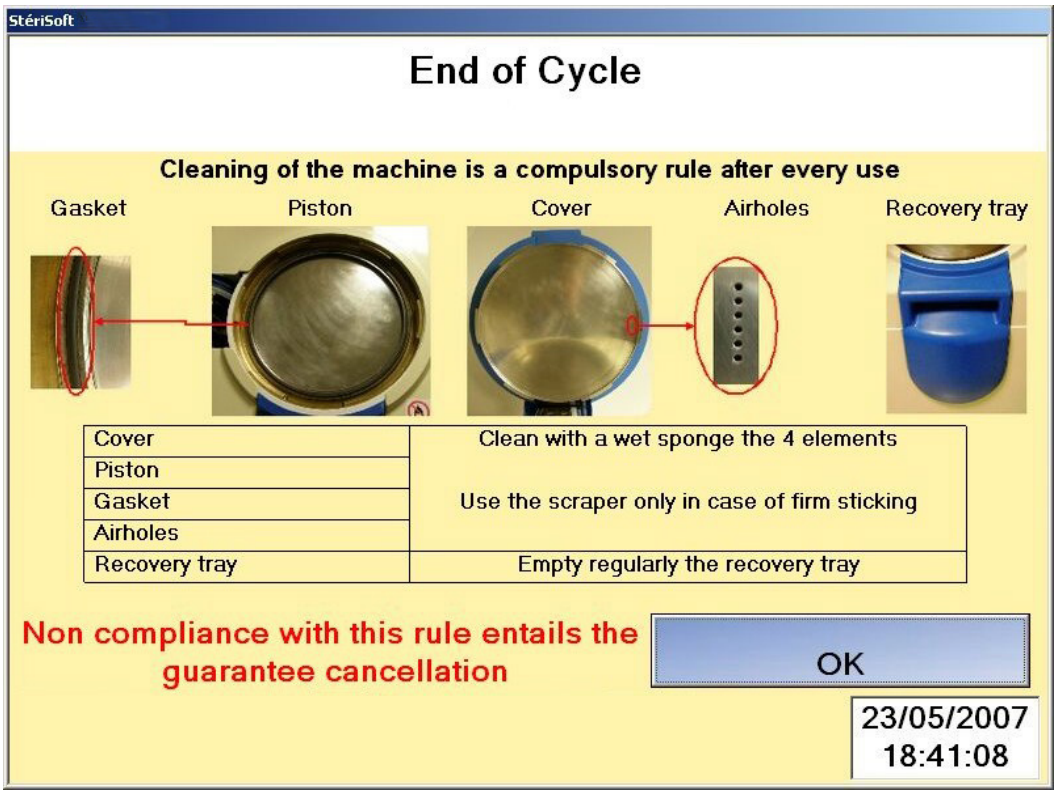

StériSoft
Threshold reached
Information
Liquid detected
Waste product too thick
Power outage
Low tension
Pressure too high
Cold liquid leakage
Cycle: 1
Compression
Heating
23/05/2007 18:35:55
Threshold remain 12
23/05/2007 18:35:55
Cooling
End of cycle
Current (A) 1
Tension (V) 230
Thick. waste product 53
23/05/2007
18:36:01



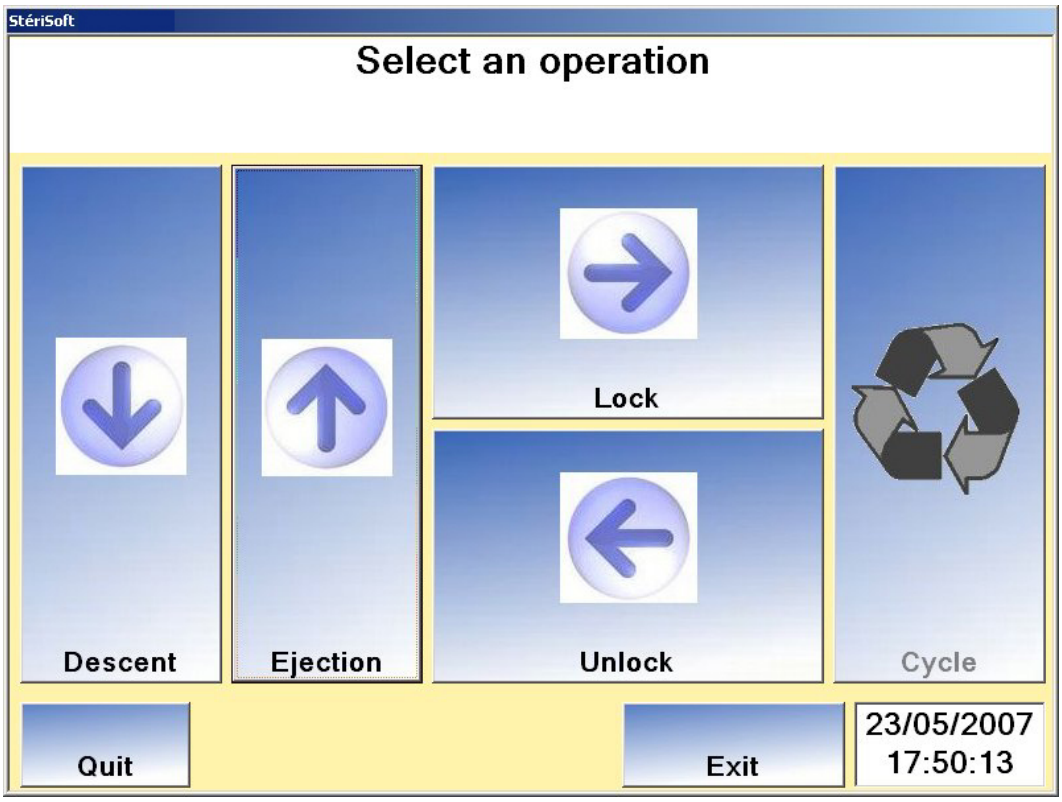


When the cycle has completed, the message “Waste has been processed / Waste has not been processed” is displayed in the lower part of the screen.

- On the screen, select the “Open device” button to return to the **‘Select an operation’** window.



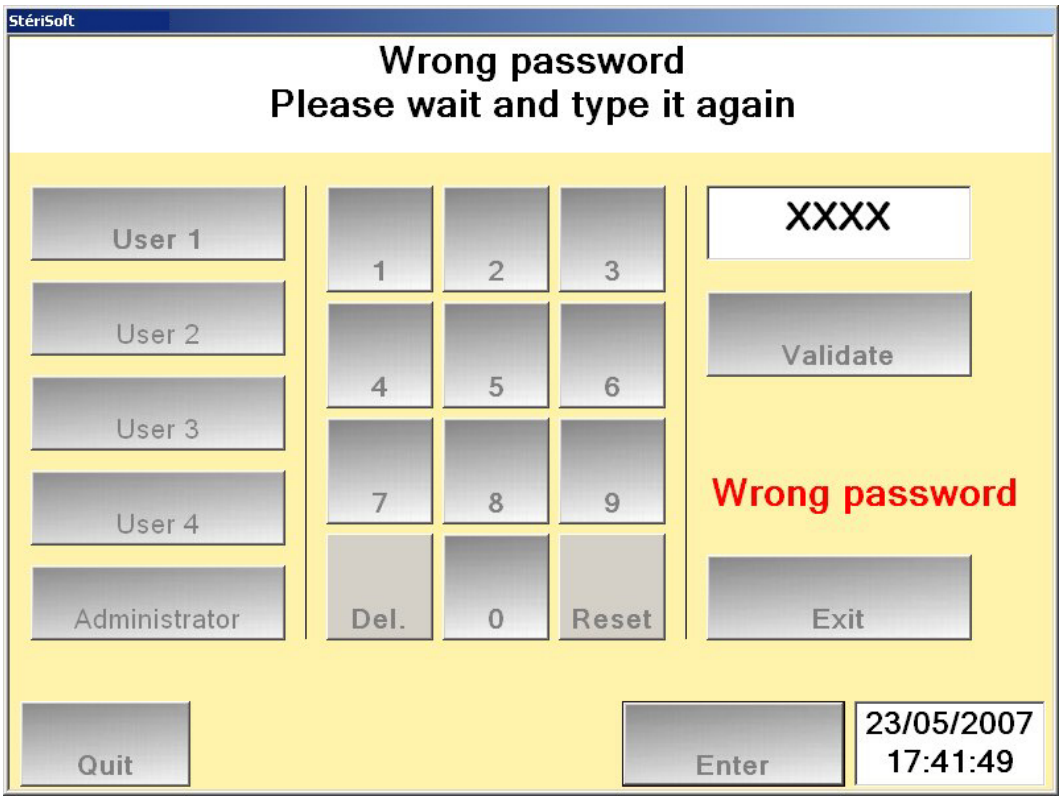
- On the screen, select the “OK” button. The “**Select an operation**” window appears



- On the screen, select the “Unlock” button.
- Open the cover of Sterigerms.
- On the screen, select the “Eject” button to monitor the ejection of the piston.
- Retrieve the compressed waste product and discard it. You can now dispose of it as of standard household waste.

2.4. Case of wrong password

If the password typed is wrong, the **'Wrong password Please wait and type it again'** window appears during 4 seconds, then the **'Select a user and type your password'** window is displayed again. Perform again the procedure described in § 2.3.



3. SHUTDOWN

Three types of shutdown can be performed:

- Standard shutdown after use
- Complete shutdown due to technical issue or transfer of the device to another location
- Emergency shutdown in case of serious incident

3.1. Standard shutdown

- On the displayed screen, select the "Quit" button and then the "YES" button of the confirmation window. Only the control console is shut down, Sterigerms is in stand-by mode.

3.2. Complete shutdown

- On the displayed screen, select the "Quit" button and then the "YES" button of the confirmation window. Only the control console is shut down, Sterigerms is in stand-by mode.
- Set the main power-up switch (2, Figure 2), located at the rear of Sterigerms to the "O" position. The integrated light indicator goes out.

3.3. Emergency shutdown

- Push the emergency knock-off switch (8, Figure 1) located at the left-hand side of the Sterigerms control console. This action will switch off main power supply.

4. ALARMS

DISPLAYED ALARMS	REASON	ACTIONS
Liquid detected	Presence of liquid under the cover	None
Waste product too thick	Thickness of compressed waste product exceeds 12 cm	None
Power outage	Once power supply has been restored, cycle is restarted from the point of interruption caused by power outage	None
Low tension	Tension of external power supply is less than 215V	Contact the administrator
Pressure too high	Cylinder pressure too high	Contact the administrator
Cooling liquid leakage	Cooling liquid level too low	Fill up with cooling liquid
Upper banner of the screen is red (see window below)	Internal malfunction	Contact the administrator

5. MAINTENANCE

5.1. Table of periodical operations

OPERATION	FREQUENCY	REFER TO
Cleaning of the waste treatment compartment	After each cycle	§ 5.2.1
Control of oil level	Twice a month	§ 5.2.2
Control of cooling liquid level	In case of alarm	§ 5.2.3
Exchange of the cover gasket	After inspection of the gasket	§ 5.2.4
Exchange of the particle filter	Twice a year or after producing 300 compressed waste products	§ 5.2.5
Greasing of the ring	Twice a year or after producing 100 compressed waste products	§ 5.2.6

5.2. Periodical operations

5.2.1. Cleaning of the waste treatment compartment

- Do not use abrasive, scouring pads, steel wool soap pads or cutting/stinging objects for cleaning
- Clean the treatment compartment, the cover and the cover gasket face using household roll towel
- If necessary, remove any plastic bag residue from the stainless steel parts (cover and piston) using the scraper provided (Figure 5)

Figure 5 - Scraper

- Lubricate the gasket with a standard oil standing a temperature of more than 145°C
- Clean with a sponge and liquid soap any residual traces (blood, gelose…)

5.2.2. Control of oil level

To perform this operation, the piston must be in low position:

- Remove the two fixation screws (8X150 shank screwdriver) of the rear metal sheet closing device. Tilt the sheet towards you and pull it upwards to remove it.
- Check that oil level is within the limits indicated on the tank.
  - If the level is correct, engage the rear metal sheet closing device on its positioning rivets located at the bottom, then drag it against the frame and attach it using its two fixation screws (8X150 shank screwdriver).
  - If the level is too low, top up with oil (hydraulic synthetic oil grade 32):
    - Remove the oil tank cap (1, Figure 7).
    - Insert a flexible funnel similar to the one represented on Figure 6.

Figure 6 – Flexible funnel

    - Top up with oil (to almost reach the max. limit indicated on the tank).
    - Retrieve the flexible funnel.
    - Put the oil tank cap (1, Figure 7) back into its original position.

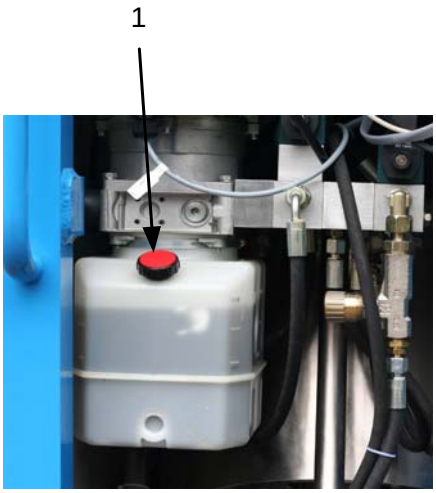


Figure 7 – Control of oil level

    - Engage the rear metal sheet closing device on its positioning rivets located at the bottom and attach it using its two fixation screws (8X150 shank screwdriver).

5.2.3. Control of cooling liquid level

When the cooling liquid level is too low, an alarm is triggered. Top up with cooling liquid (Sterigerms must be powered up when performing this operation) :

- Unscrew the four fixation screws (8X150 shank screwdriver) of the right flange, tilt it towards you and pull it upwards to remove it.
- Unscrew the cap (1) of the cooling liquid tank.
- Top up with demineralised water until the alarm vanishes.
- Screw the cap (1) of the cooling liquid tank.

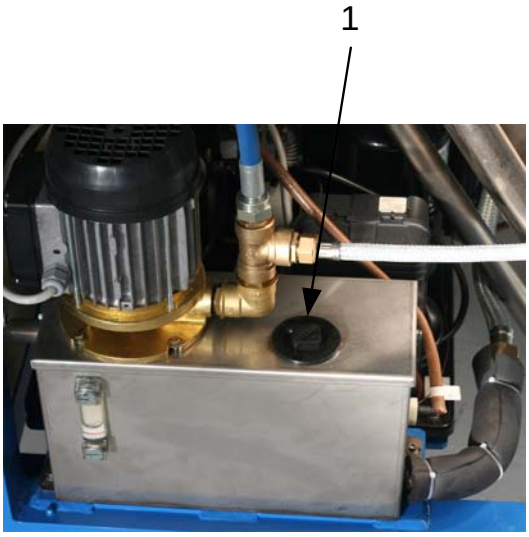


Figure 8 – Control of cooling liquid level

- Engage the right flange on the positioning rivets located at the bottom, then drag it against the frame and attach it using its 4 fixation screws (8X150 shank screwdriver).

5.2.4. Exchange of the cover gasket

- Open the cover of Sterigerms.
- Using a screwdriver, remove the cover gasket (1, Figure 9) and discard it.

Figure 9 – Exchange of the cover gasket

- Lubricate the new gasket, using high temperature grease standing 180°C (**DARINA R2** type) and put in into position in its groove.

Caution: when putting the gasket into position in its groove, be careful not to deform the gasket (pinching or stretching).

- Close the cover.

5.2.5. Exchange of the particle filter

- Remove the 4 fixation screws (1, Figure 10) (5 mm allen wrench) from the locking cover of Sterigerms and remove the cover.

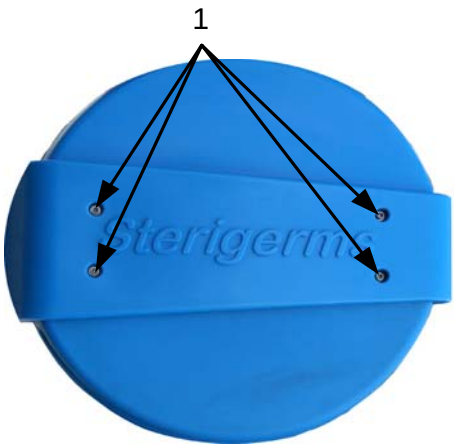


Figure 10 – Removal of the locking cover

- Remove the fixation screw (1, Figure 11) (3 mm allen wrench) from the insulating plate (2, Figure 11) of the filter cap and remove the plate.
- Remove the 7 fixation screws (3, Figure 11) of the filter cap (4, Figure 11) (4 mm-handle allen wrench).

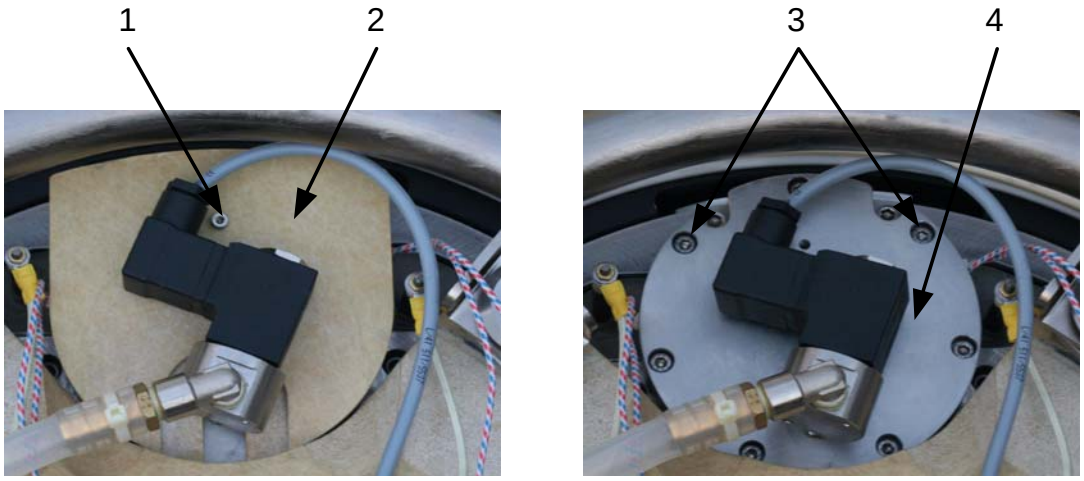


Figure 11 – Removal of the filter cap

- Tilt the filter cap upwards (2, Figure 12) to access the particle filter casing (1, Figure 12).
- Using a screwdriver, remove the particle filter and discard it (1, Figure 12).

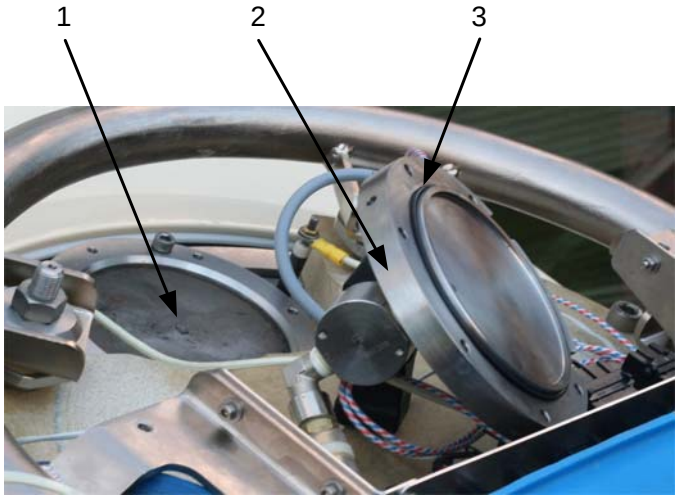


Figure 12 – Exchange of the particle filter

- Clean the soiled parts (§ 5.2).
- Check the condition of the filter cap gasket (3, Figure 12): clean it (§ 5.2) or exchange it, as its condition requires:
  - Remove the filter cap gasket (3, Figure 12) and discard it.
  - Put into position a new gasket (3, Figure 12).
- Put a new particle filter (1, Figure 12) into position in its casing.
- Put the filter cap (4, Figure 11) back into its original position and attach it using its 7 fixation screws (3, Figure 11) (4 mm handle allen wrench).
- Put the insulating plate (2, Figure 11) of the filter cap back into its original position.
- Put the fixation screw (1, Figure 11) (3 mm allen wrench) of the insulating plate of the filter cap back into its original position.
- Put the locking cover of Sterigerms back into its original position and put its 4 fixation screws (1, Figure 10) (5 mm allen wrench) back into their original position with their washers.

5.2.6. Greasing of the ring

- Remove the recovery tray.
- Plug a greasing pump on the greaser of the locking ring.
- Greasing (2 or 3 operations of the pump lever) the locking ring using high temperature grease standing 180°C (**DARINA R2** type).
- Lubricate the ring opening and locking few times the cover.
- Put back the recovery tray.

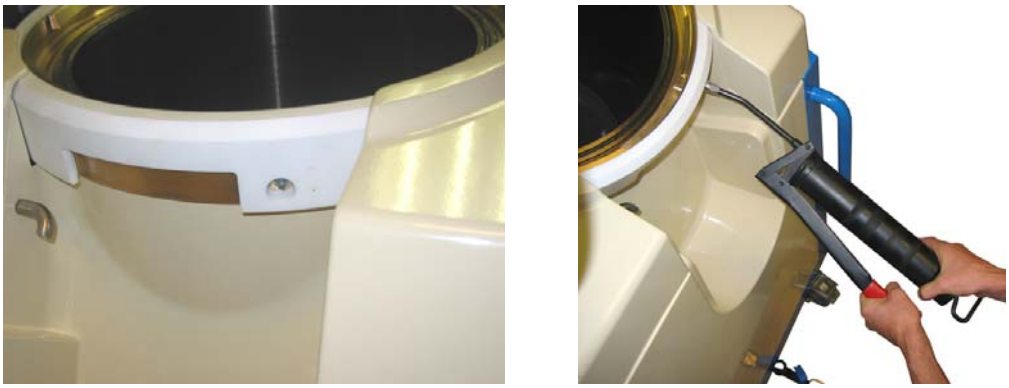


Figure 13 – Greasing the locking ring

6. WARNING AND SAFETY SIGNS

<table>
<tr>
<td> </td>
<td>
<u>Prohibited</u>
- Do not introduce any pressurized containers such as spray bombs.
- Do not introduce flammable products.
- Do not introduce explosives substances.
- Do not perform cycles when the device is empty.
- Do not perform prior compaction.
- Do not process compressed waste products with a thickness exceeding 10cm, or in other words bags weighing more than 4kg.
- Do not introduce any of the products mentioned in the 26 July 1991 circular, volatile toxic substances (including cytostatic drugs) or waste with potential risks of "prion" infection.
- Do not introduce waste destined for another treatment line, such as mercury, lead, electric cells, batteries, acids, alkaline compounds radioactive products, etc…
- Do not dispose of living animals and/or of recognisable human anatomical parts.
- Do not dispose of waste containing plastics for any other purpose than medical or alimentary.
- Do not introduce hermetic bags into the device, to guarantee correct operation.
<u>Compulsory</u>
- Use the specific Steribag developed and validated by the company Sterigerms and agreed by the “Conseil Supérieur de l’Hygiène Publique de France”, indispensable for proper waste processing. Waste products processed without this bag will not be considered as sanitized.
- Condition stinging/cutting objects, glass, ceramics and minerals (Sand, gravels) in boxes to that effect. Boxes and other types of waste must be introduced directly into the Steribag. Prosthesis and teeth are considered to be cutting/stinging objects.
</td>
</tr>
<tr>
<td></td>
<td>For the compressed waste product to conform to regulations regarding household waste disposal, liquid products cannot exceed 30% of the total weight of a load of processed waste, so as to keep the waste encapsulated in a sufficiently rigid package.</td>
</tr>
<tr>
<td> </td>
<td>If waste disinfection is validated by the device (the message “waste processed successfully” appears on the screen), you can dispose of the compressed waste product via the same treatment line as any household waste. If not, the compressed waste product is not disinfected and must imperatively by disposed of via a specialized treatment line for IMW (Infectious Medical Waste) or otherwise reprocessed.</td>
</tr>
<tr>
<td> </td>
<td>If there are remaining liquids in the bin after validation by the device of waste disinfection, you can empty the bin from its contents and dispose of it as of any standard liquid household waste product.</td>
</tr>
</table>

	It is forbidden to introduce flammable products.
	It is forbidden to introduce pressurized products such as spray bombs (full or empty).
	Use of the Steribag is compulsory. Stinging and cutting objects and glass must be conditioned in a box conform to the norms and intended for this purpose (yellow boxes) before their disposal into the Steribag.

7. HUMAN – MACHINE DIALOG

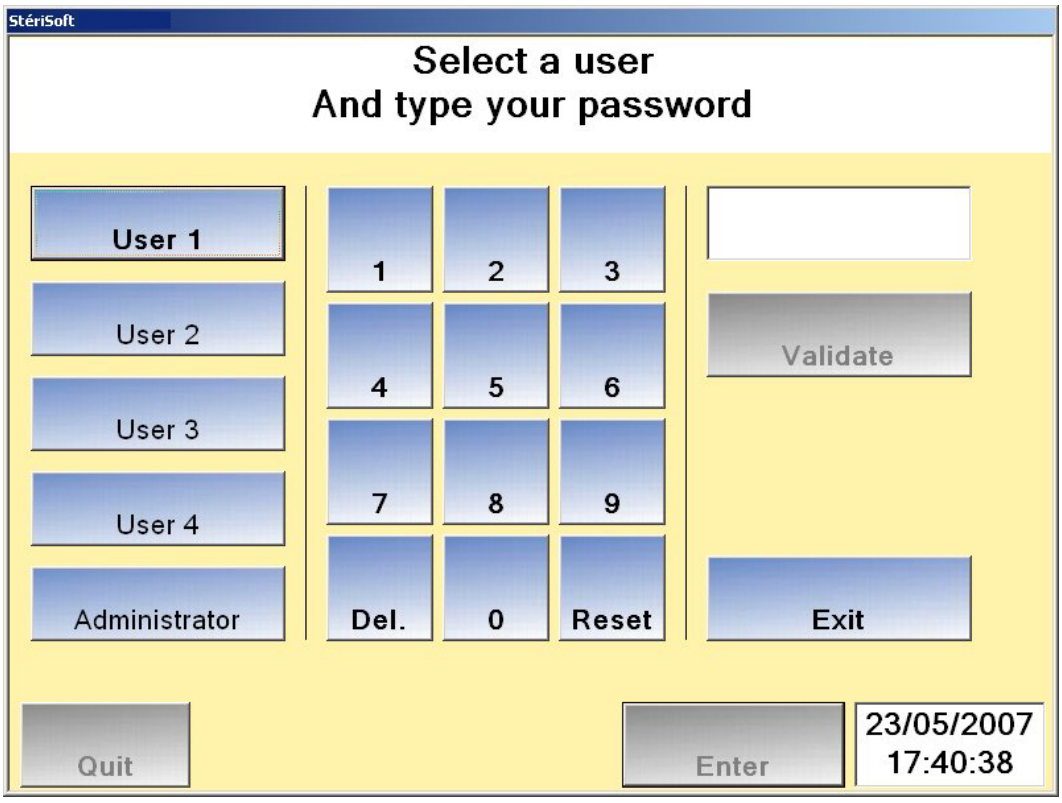
STERISOFT management software allows:

- Management of Sterigerms,
- HMI (Human Machine Interface).

This section introduces available exploitation windows and presents the functions of touch screen keys and related information zones. Unavailable keys are displayed in grey.

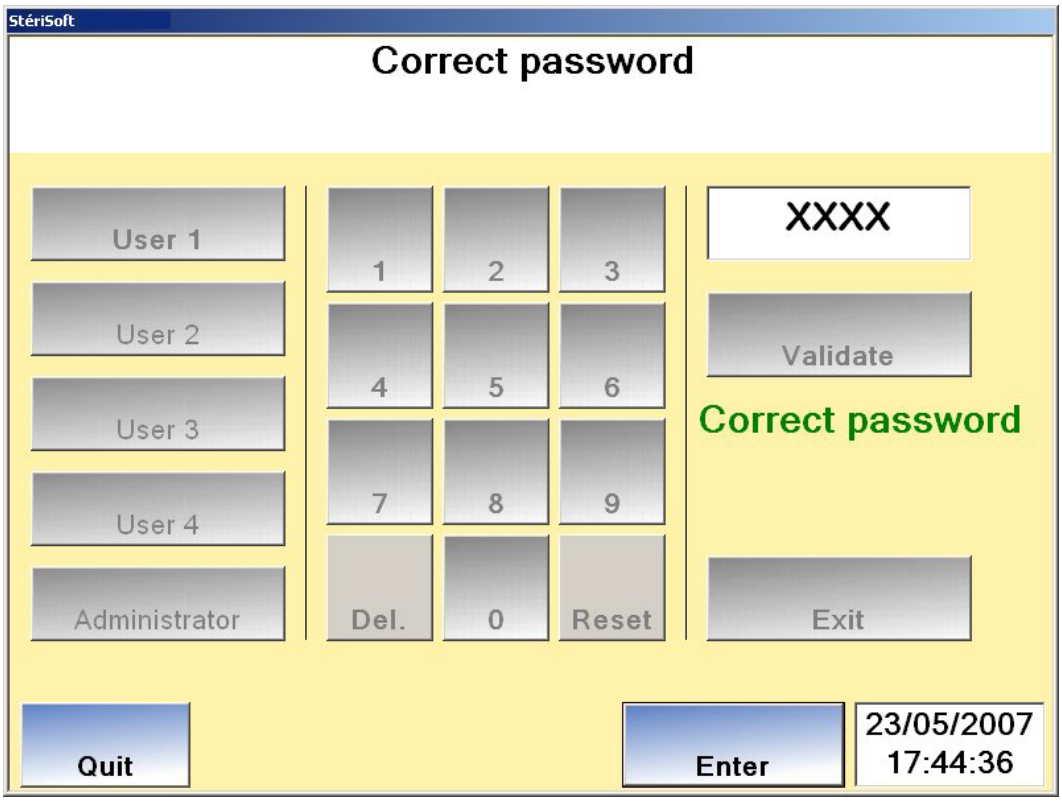
TOUCH SCREEN KEYS	FUNCTIONS
Quit	Close the application and shut down the control console with a confirmation window (Window 11)
Enter	Go to the **'Select a user And type your password'** window

Window 1- Welcome Please press the "Enter" button



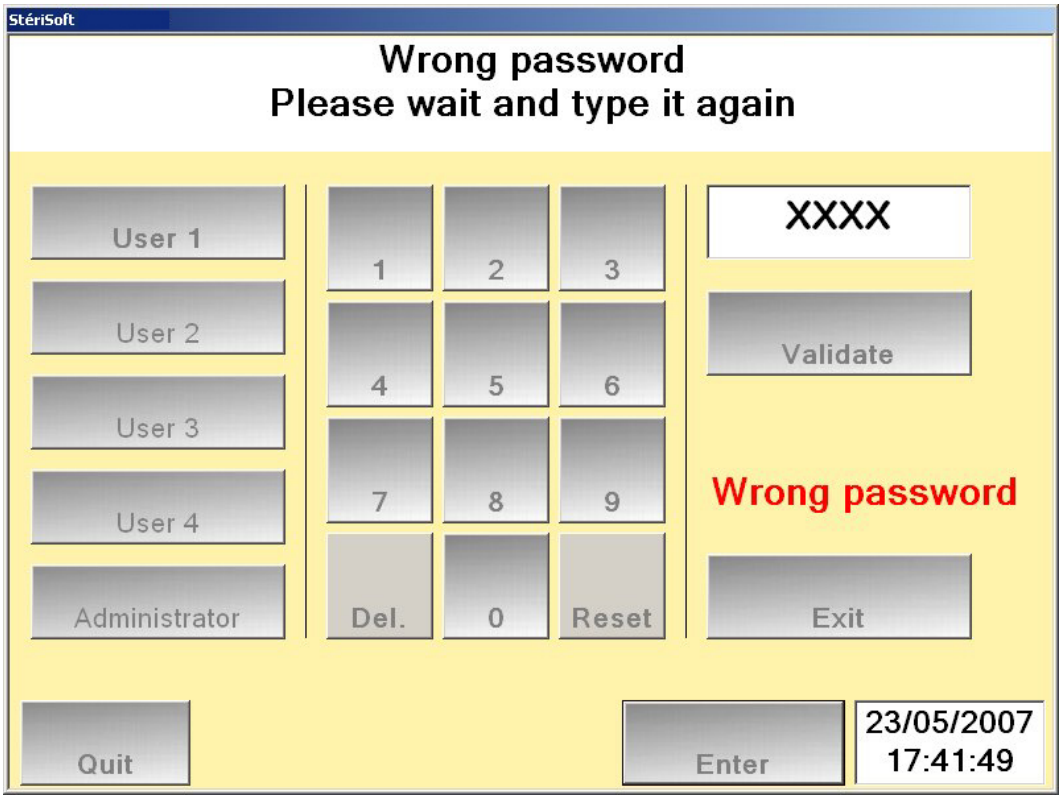
TOUCH SCREEN KEYS	FUNCTIONS
User 1/2/3/4	Select the required user
Validate	Acknowledge and validate the typed password and open the **'Correct password'** or the **'Wrong password'** window. This key is only available when the 4 digits of the password have been typed.
Keyboard	Set of keys allowing to type the password
Exit	Go back to the previous window
Quit	Unavailable
Enter	Unavailable
Del.	Delete the last typed password digit
Reset	Delete all the typed password digits

Window 2 - Select a user And type your password



TOUCH SCREEN KEYS	FUNCTIONS
User 1/2/3/4	Unavailable
Administrator	Unavailable
Validate	Unavailable
Keyboard	Unavailable
Exit	Unavailable
Quit	Close the application and shut down the control console with a confirmation window (Window 11)
Enter	Go to the next window

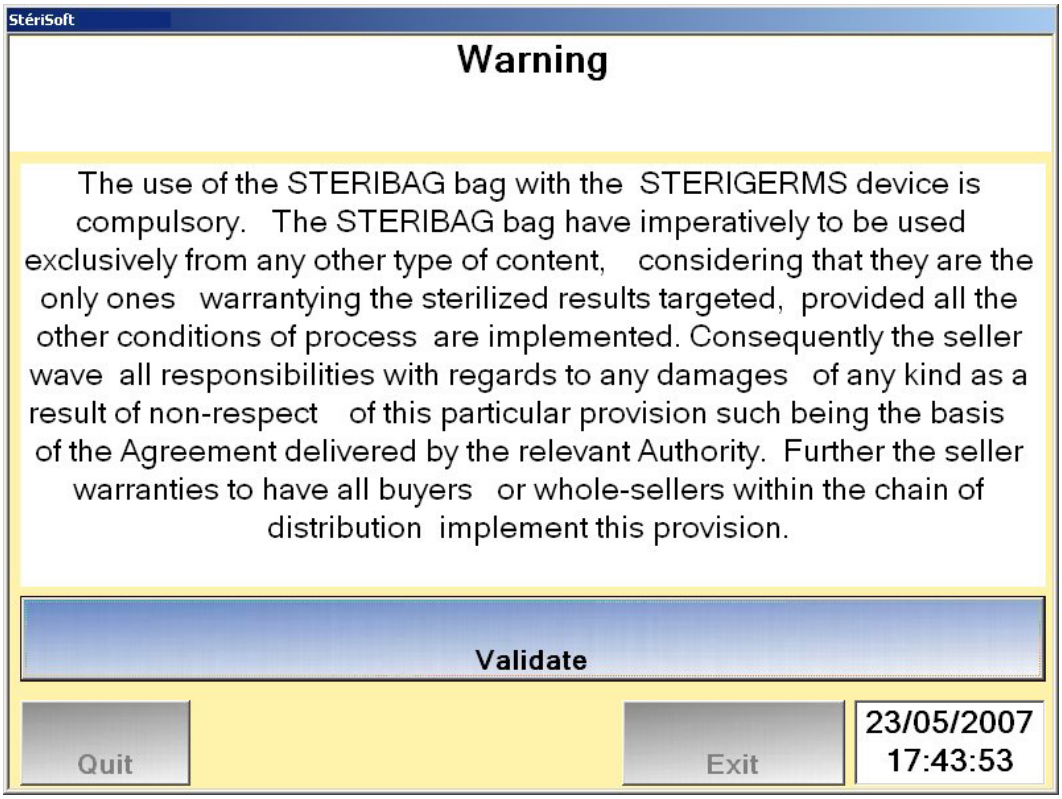
Window 3 – Correct password



Display of this screen is temporary and all the keys are unavailable.

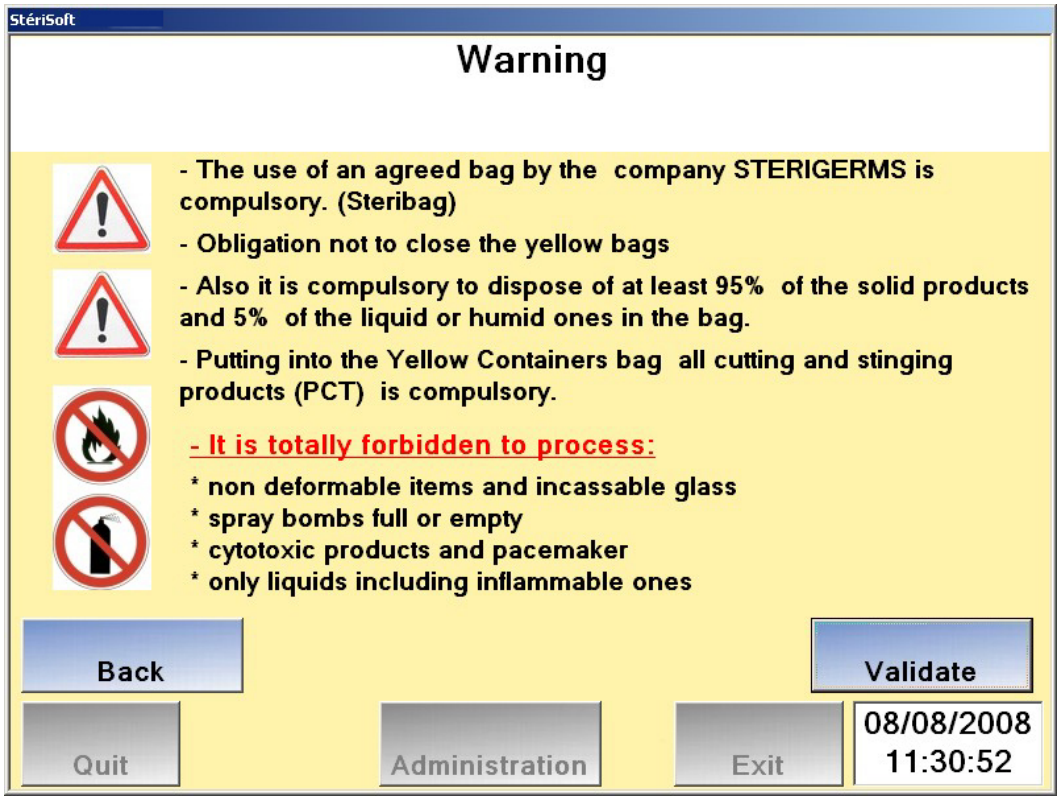
After about 4 seconds, the **'Select a user And type your password'** window appears again, allowing to type the password again.

Window 4 – Wrong password Please wait and type it again


StériSoft
Warning
The use of the STERIBAG bag with the STERIGERMS device is compulsory. The STERIBAG bag have imperatively to be used exclusively from any other type of content, considering that they are the only ones warrantying the sterilized results targeted, provided all the other conditions of process are implemented. Consequently the seller wave all responsibilities with regards to any damages of any kind as a result of non-respect of this particular provision such being the basis of the Agreement delivered by the relevant Authority. Further the seller warranties to have all buyers or whole-sellers within the chain of distribution implement this provision.
Validate
Quit
Exit
23/05/2007
17:43:53

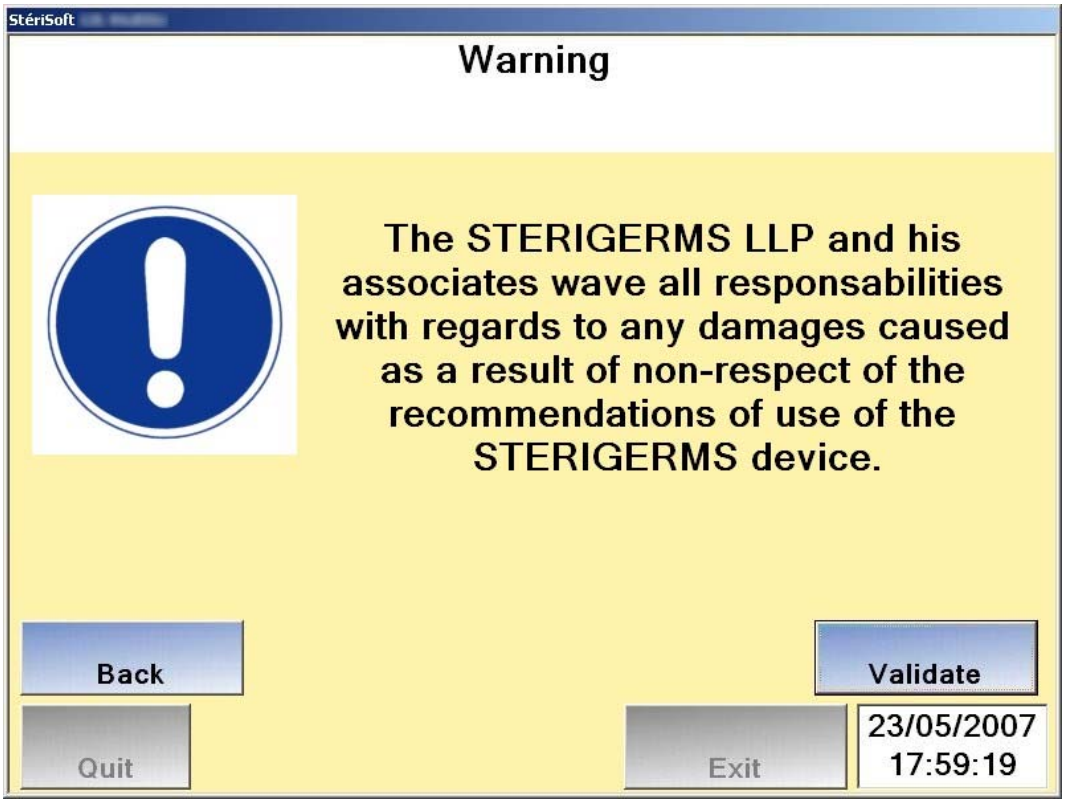
TOUCH SCREEN KEYS	FUNCTIONS
Validate	Go to the next window
Quit	Unavailable
Exit	Unavailable

Window 5 - Warning (first window)


StériSoft
Warning
- The use of an agreed bag by the company STERIGERMS is compulsory. (Steribag)
- Obligation not to close the yellow bags
- Also it is compulsory to dispose of at least 95% of the solid products and 5% of the liquid or humid ones in the bag.
- Putting into the Yellow Containers bag all cutting and stinging products (PCT) is compulsory.
- It is totally forbidden to process:
* non deformable items and incassable glass
* spray bombs full or empty
* cytotoxic products and pacemaker
* only liquids including inflammable ones
Back
Validate
Quit
Administration
Exit
08/08/2008
11:30:52

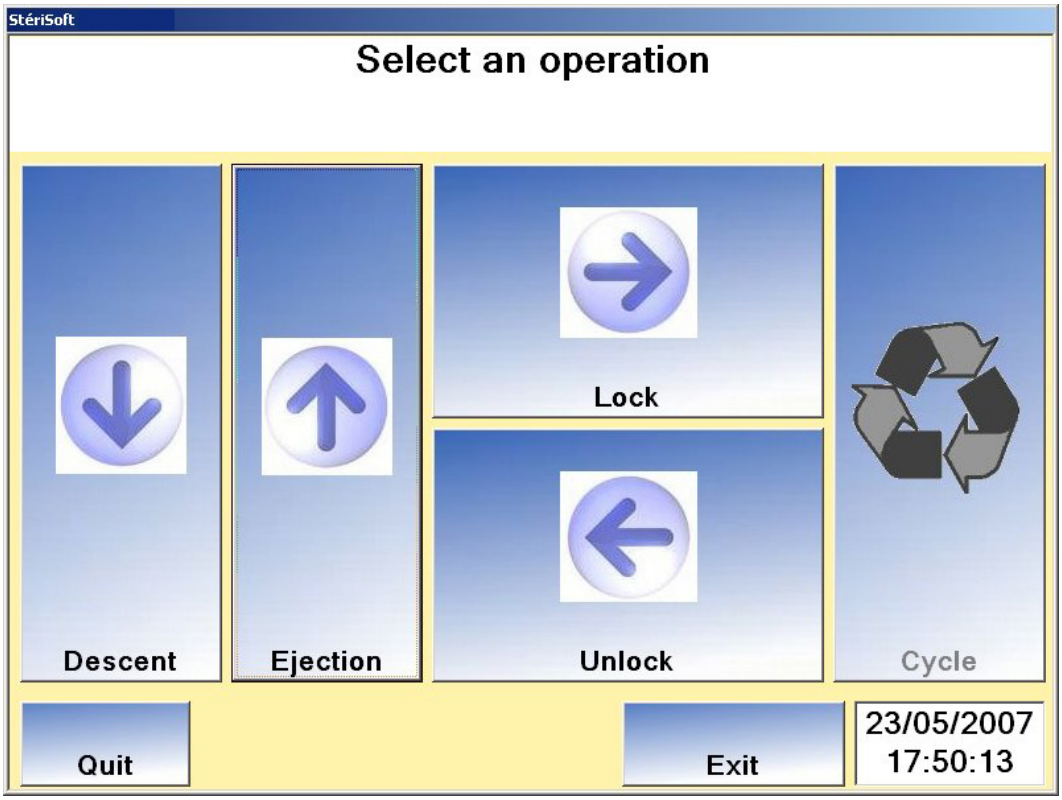
TOUCH SCREEN KEYS	FUNCTIONS
Back	Go back to the **'Welcome please press the "enter" button'** window
Validate	Go to the next window
Quit	Unavailable
Administration	Unavailable
Exit	Unavailable

Window 6 – Warning (second window)


StériSoft
Warning
The STERIGERMS LLP and his associates wave all responsabilities with regards to any damages caused as a result of non-respect of the recommendations of use of the STERIGERMS device.
Back
Validate
Quit
Exit
23/05/2007
17:59:19

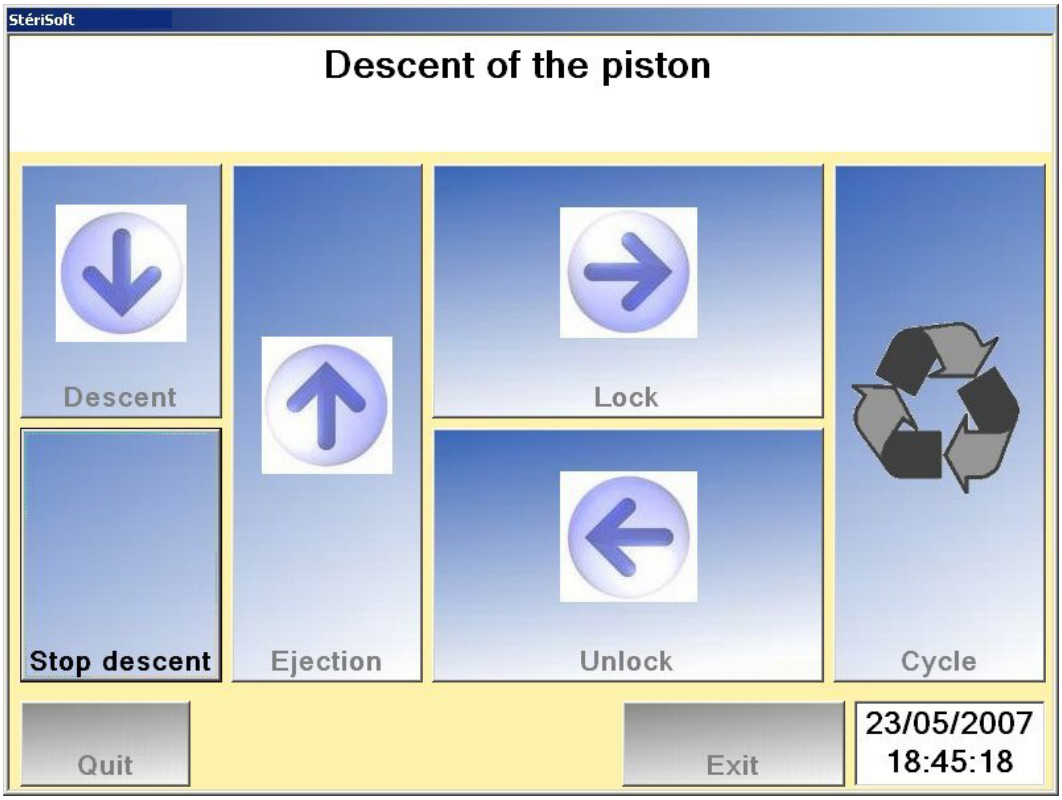
TOUCH SCREEN KEYS	FUNCTIONS
Back	Go back to the second warning window
Validate	Go to the cycle window
Quit	Unavailable
Exit	Unavailable

Window 7 - Warning (third window)



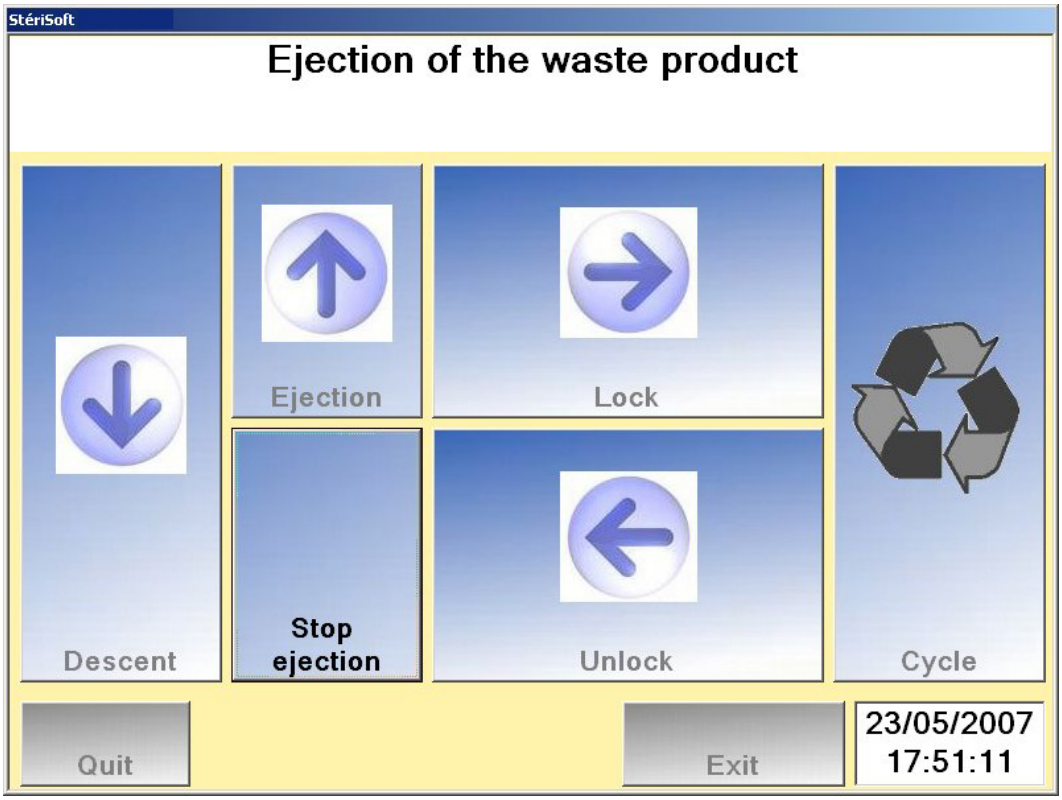
TOUCH SCREEN KEYS	FUNCTIONS
Descent	Control to move the piston downwards
Ejection	Control to move the piston upwards
Lock	Control to lock the cover
Unlock	Control to unlock the cover
Cycle	Go to the cycle window
Quit	Close the application and shut down the control console with a confirmation window (Window 11)
Exit	Go back to the welcome window

Window 8 – Select an operation



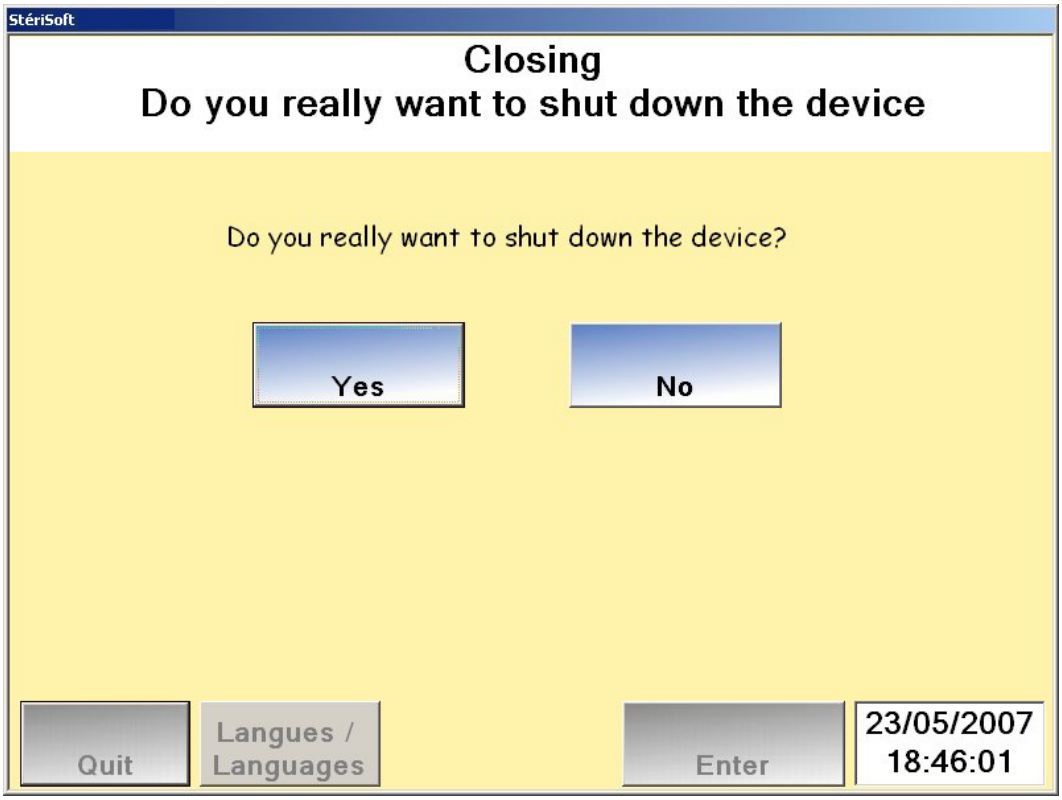
TOUCH SCREEN KEYS	FUNCTIONS
Stop descent	Control to stop the descent of the piston
Ejection	Unavailable
Lock	Unavailable
Unlock	Unavailable
Cycle	Unavailable
Quit	Unavailable
Exit	Unavailable

Window 9 - Descent of the piston



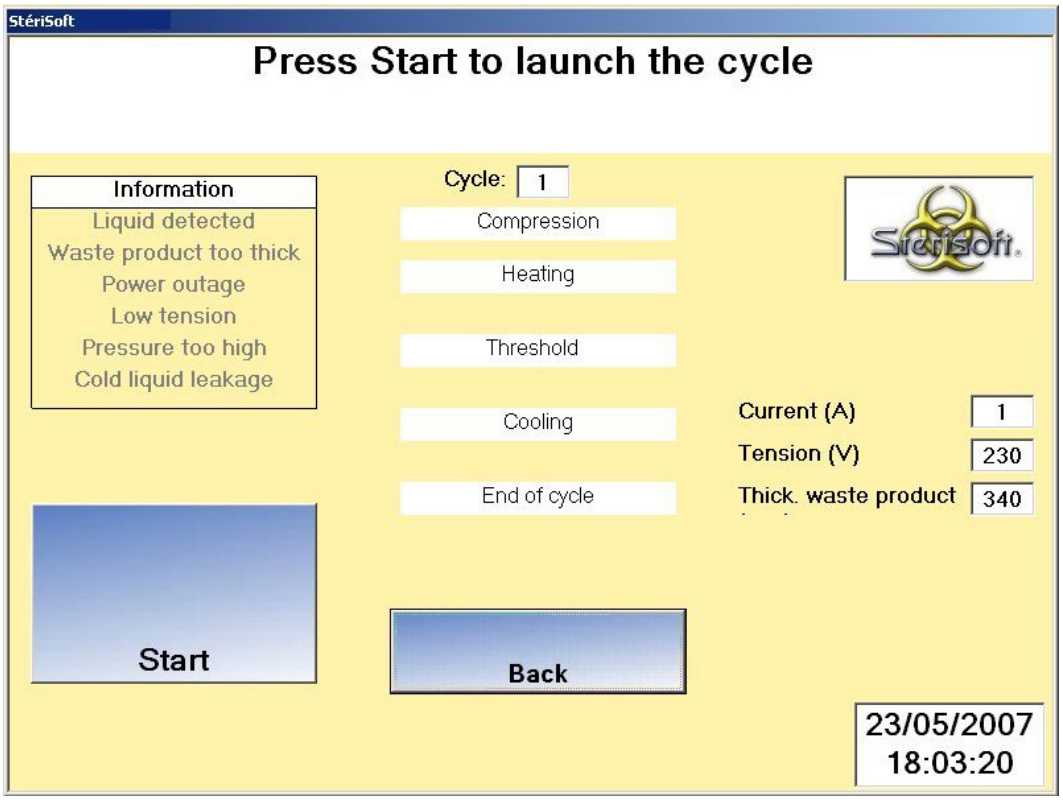
TOUCH SCREEN KEYS	FUNCTIONS
Descent	Unavailable
Stop ejection	Control to stop ejection of the compressed waste product
Lock	Unavailable
Unlock	Unavailable
Cycle	Unavailable
Quit	Unavailable
Exit	Unavailable

Window 10 - Ejection of the compressed waste product



TOUCH SCREEN KEYS	FUNCTIONS
Yes	Close the application and shut down the control console
No	Go back to the previous window
Quit	Unavailable
Enter	Unavailable

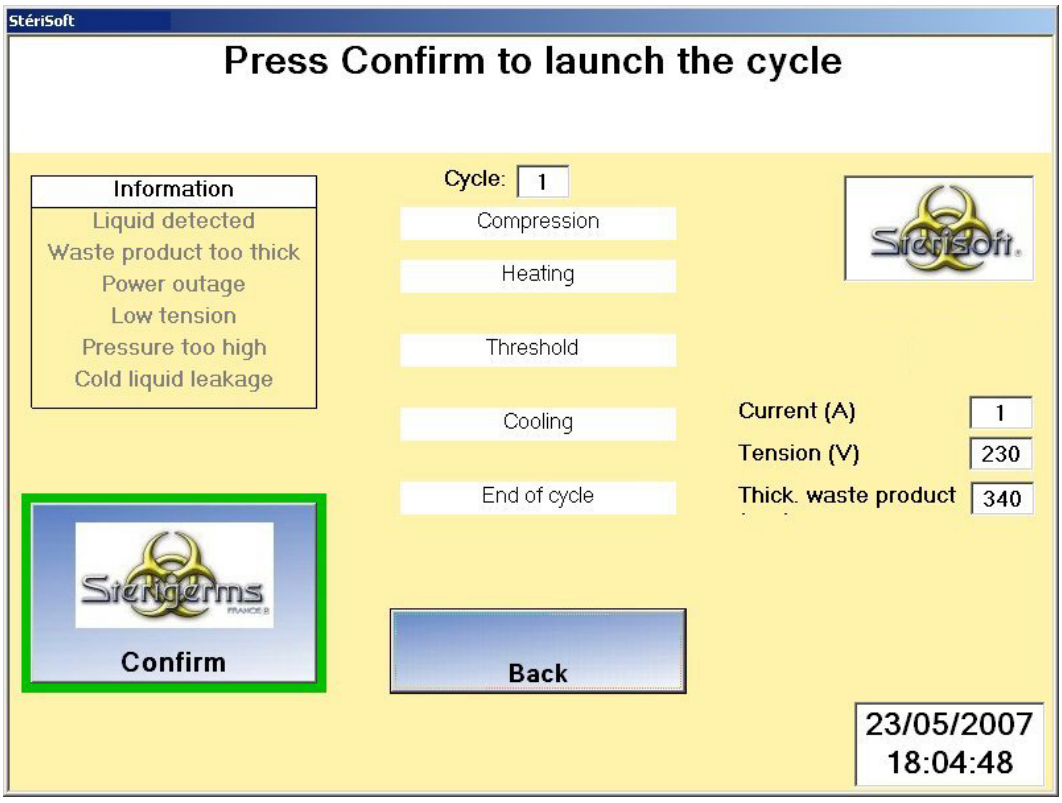
Window 11 - Closing Do you really want to shut down the device



TOUCH SCREEN KEYS	FUNCTIONS
Start	Launch the cycle
Back	Go back to the warning window

INFORMATION ZONES	SIGNIFICATION
Information	Unavailable
Cycle	Unavailable
Compression	Unavailable
Heating	Unavailable
Threshold	Unavailable
Cooling	Unavailable
End of cycle	Unavailable
Current	Electrical consumption of Sterigerms in sleeping mode
Tension	Tension value of the electrical network
Thick. waste product	Position of the piston (480mm corresponds to low position)

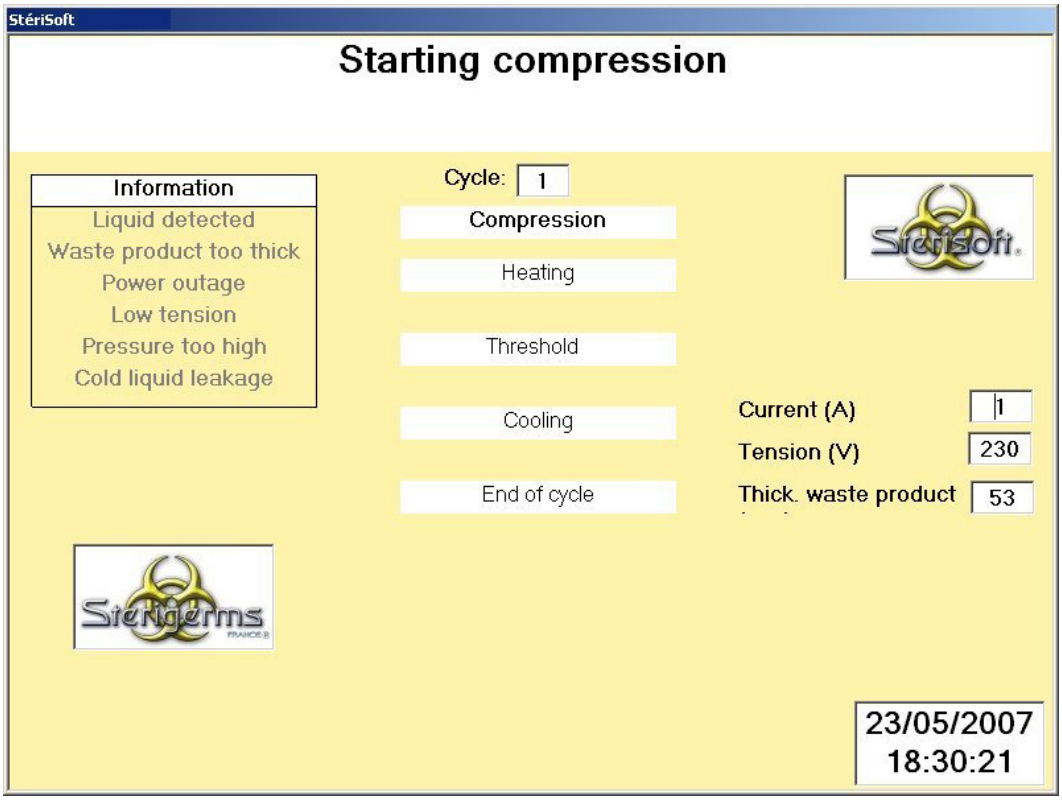
Window 12 – Press Start to Launch the cycle



TOUCH SCREEN KEYS	FUNCTIONS
Confirm	Confirm launch of the cycle
Back	Go back to the previous window

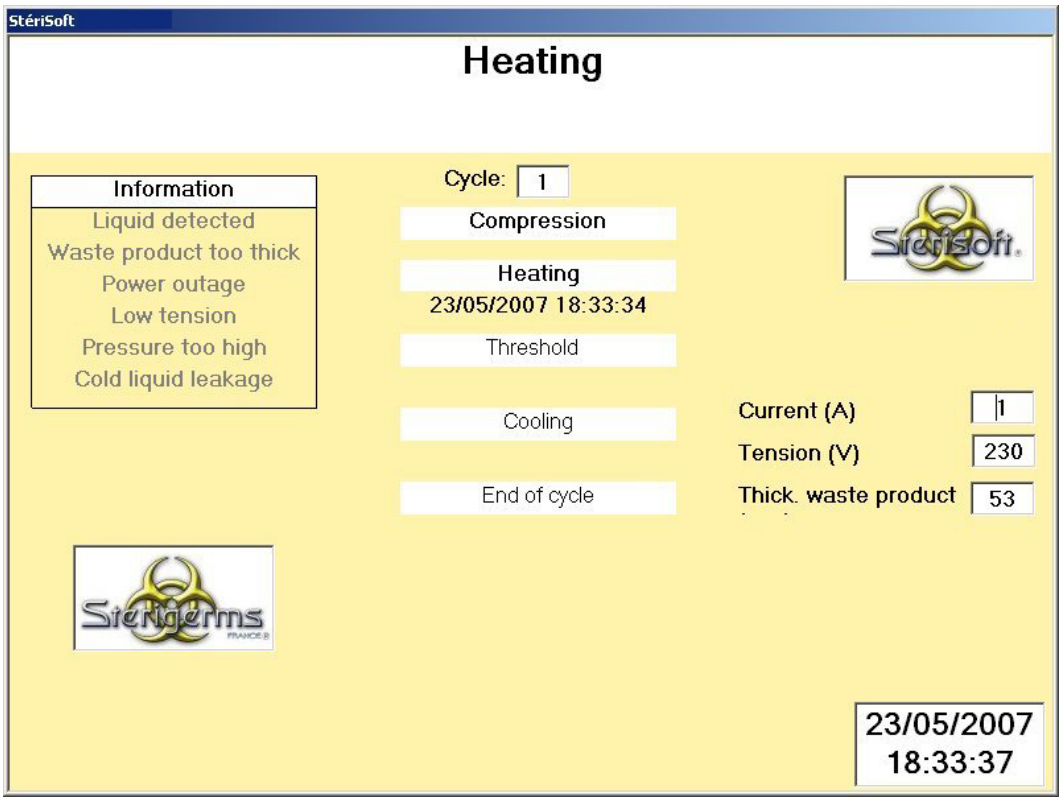
INFORMATION ZONES	SIGNIFICATION
Information	Unavailable
Cycle	Unavailable
Compression	Unavailable
Heating	Unavailable
Threshold	Unavailable
Cooling	Unavailable
End of cycle	Unavailable
Current	Electrical consumption of Sterigerms in sleeping mode
Tension	Tension value of the electrical network
Thick. waste product	Position of the piston (480mm corresponds to low position)

Window 13 - Press Confirm to launch the cycle



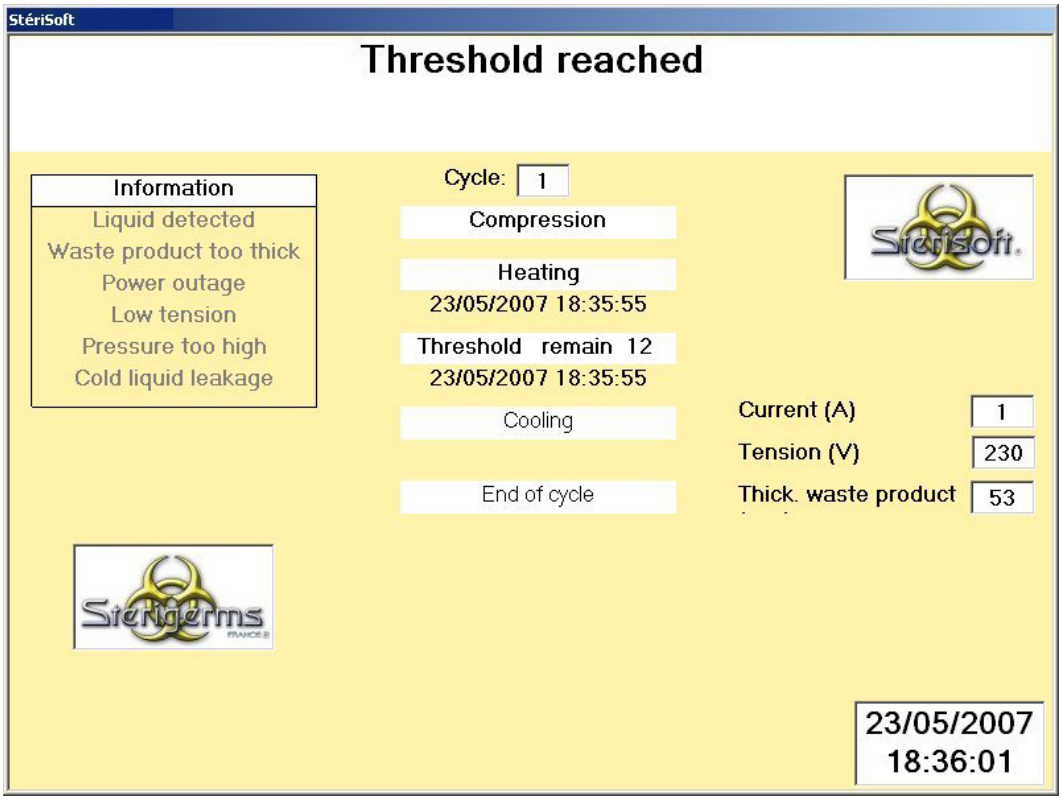
INFORMATION ZONES	SIGNIFICATION
Information	Display of detected malfunction (§ 4)
Cycle	Cycle number
Compression	Display of compression phase
Heating	Unavailable
Threshold	Unavailable
Cooling	Unavailable
End of cycle	Unavailable
Current	Electrical consumption of Sterigerms in sleeping mode
Tension	Tension value of the electrical network
Thick. waste product	Thickness of the compressed waste product

Window 14 – Starting compression



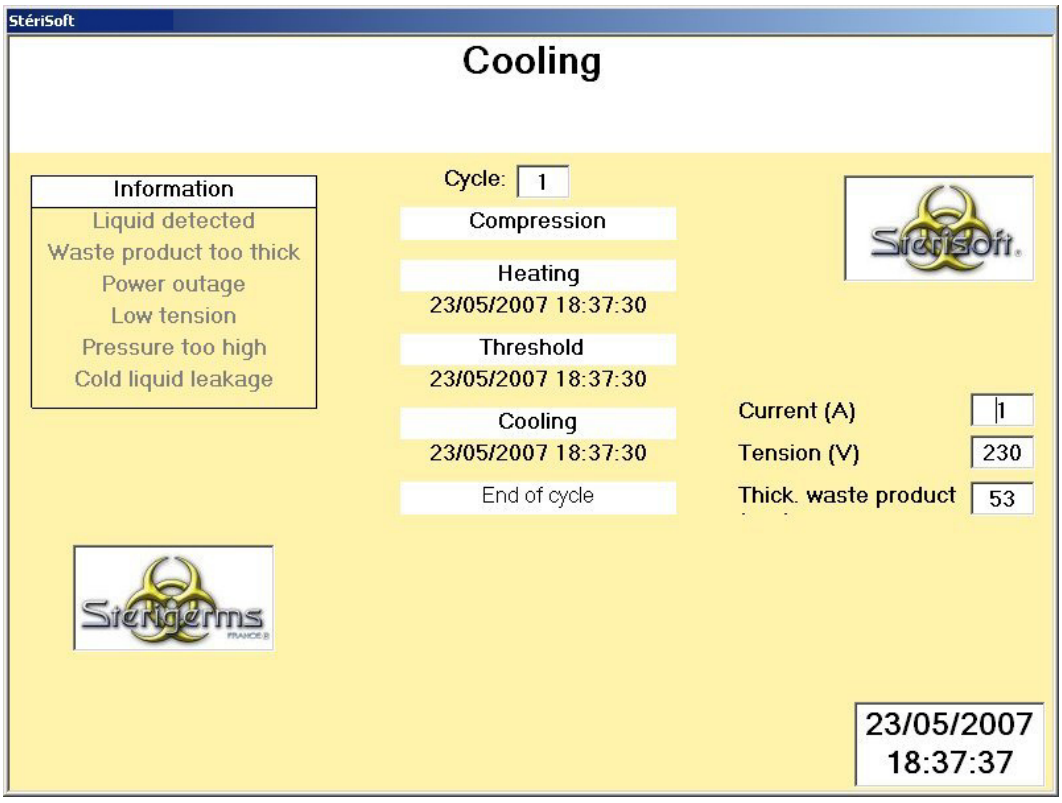
INFORMATION ZONES	SIGNIFICATION
Information	Display of detected malfunction (§4)
Cycle	Cycle number
Compression	Display of completed compression phase
Heating	Display of heating phase parameters
Threshold	Unavailable
Cooling	Unavailable
End of cycle	Unavailable
Current	Electrical consumption of Sterigerms during heating phase
Tension	Tension value of the electrical network
Thick. waste product	Position of the piston (480mm corresponds to low position)

Window 15 - Heating



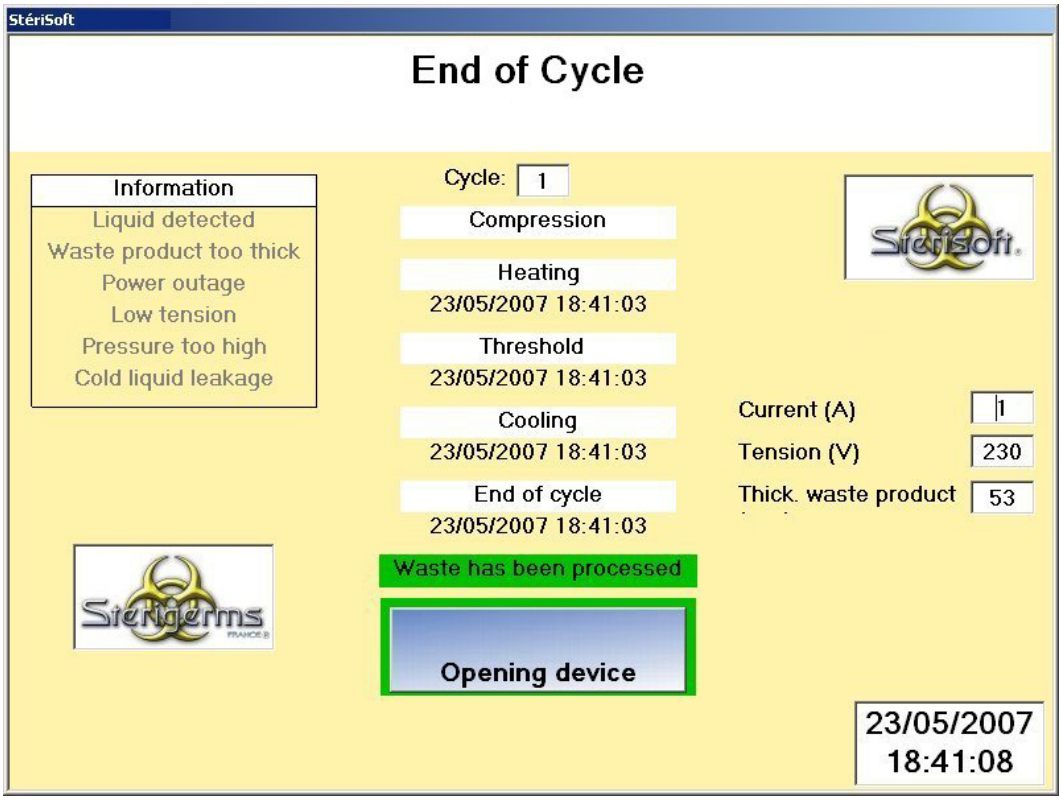
INFORMATION ZONES	SIGNIFICATION
Information	Display of detected malfunction (§4)
Cycle	Cycle number
Compression	Display of completed compression phase
Heating	Display of heating phase parameters
Threshold	Display of processing phase parameters
Cooling	Unavailable
End of cycle	Unavailable
Current	Electrical consumption of Sterigerms during processing phase
Tension	Tension value of the electrical network
Thick. waste product	Thickness of the compressed waste product

Window 16 – Start threshold



INFORMATION ZONES	SIGNIFICATION
Information	Display of detected malfunction (§4)
Cycle	Cycle number
Compression	Display of completed compression phase
Heating	Display of heating phase parameters
Threshold	Display of processing phase parameters
Cooling	Display of cooling phase parameters
End of cycle	Unavailable
Courant	Electrical consumption of Sterigerms during cooling phase
Tension	Tension value of the electrical network
Thick. waste product	Thickness of the compressed waste product

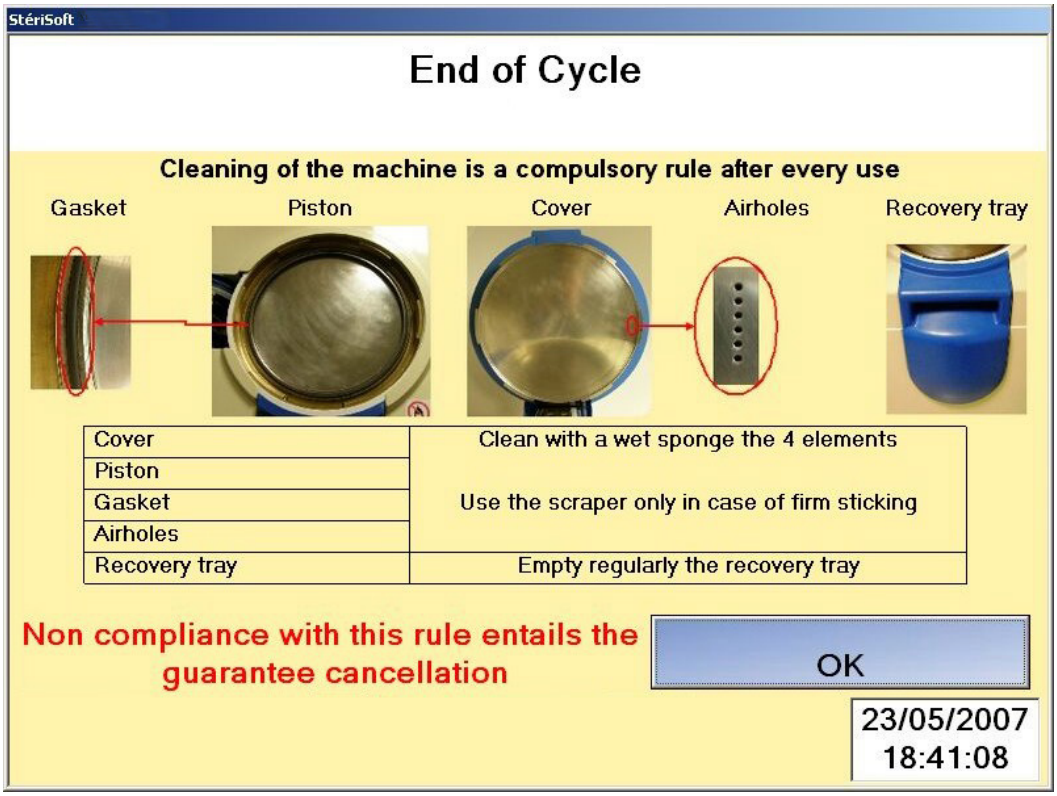
Window 17 - Cooling



TOUCH SCREEN KEYS	FUNCTIONS
Open the device	Go back to the **'Select an operation'** window

INFORMATION ZONES	SIGNIFICATION
Information	Display of detected malfunction (§ 4)
Cycle	Cycle number
Compression	Display of completed compression phase
Heating	Display of heating phase parameters
Threshold	Display of processing phase parameters
Cooling	Display of cooling phase parameters
End of cycle	Display of end of cycle phase parameters
Waste has been processed	Display of processing result after cycle completion
Current	Electrical consumption of Sterigerms after cycle completion
Tension	Tension value of the electrical network
Thick. waste product	Thickness of the compressed waste product

Window 18 – End of cycle



TOUCH SCREEN KEYS	FUNCTIONS
OK	Go back to the **'Select an operation'** window

Window 19 – Cleaning of the machine

Window 20 – Machine error Only administrator can enter

8. WARRANTY

Sterigerms contractual warranty shall not apply in case of non-observance of any of the instructions as set out in the User's Manual.

The device complies with the following European directives:

89/392/CEE dated 06/14/89 modified

73/23/CEE dated 02/19/73 modified

89/336/CEE dated 05/03/89 modified